



### CITY OF LAS VEGAS GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST REVISED EDITION; THE "SUMMERLIN IMPROVEMENT STANDARDS" FOR WORK IN THE SUMMERLIN AREA; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; THE UNIFORM BUILDING CODE; AND ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE, EXCEPT AS NOTED ON THIS SHEET AS DEVIATIONS FROM STANDARDS".

2. THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. EXISTING UTILITIES AS SHOWN FROM CLV PLANS LIBRARY ARE APPROXIMATE AND FOR RECORD PURPOSES. EXISTING UTILITIES ARE LOCATED ON PLANS ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. EXISTING UTILITY SERVICE LATERALS MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE ALL UNDERGROUND AND OVERHEAD INTERFERENCES WHICH MAY AFFECT HIS OPERATION DURING CONSTRUCTION AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT, AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.

3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING UTILITY LINES, STRUCTURES AND STREET IMPROVEMENTS WHICH ARE TO REMAIN IN PLACE, FROM DAMAGE, AND ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED SATISFACTORILY TO THE CITY ENGINEER AND OWNING UTILITY COMPANY AT THE EXPENSE OF THE CONTRACTOR.

4. ALL CONSTRUCTION SHALL BE AS SHOWN ON THESE PLANS, ANY REVISIONS SHALL HAVE THE PRIOR WRITTEN APPROVAL OF THE CITY ENGINEER.

5. TYPE V CEMENT SHALL BE USED IN ALL OFF-SITE CONCRETE WORK. CONCRETE TO BE 3000 P.S.I. MINIMUM @ 28 DAYS. MIX DESIGNS TO BE APPROVED BY THE CITY, PRIOR TO THE USE ON THE PROJECT.

6. PERMITS ARE REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL SECURE ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS CONSTRUCTION.

7. EXPANSION JOINTS REQUIRED, MAXIMUM EVERY 300' IN EXTRUDED-TYPE CURB.

8. AC PAVEMENT TO BE ONE-HALF INCH (1/2") ABOVE LIP OF ALL GUTTERS AFTER COMPACTION, EXCEPT AT SIDEWALK RAMPS AND CROSS GUTTERS.

9. CURB AND GUTTER FOUND TO BE UNACCEPTABLE TO THE CITY OF LAS VEGAS SHALL BE REMOVED AND REPLACED PER STANDARD DRAWING 216.

10. SIDEWALK RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS MAY BE ADJUSTED IN THE FIELD BY A CITY INSPECTOR.

11. CONTRACTOR SHALL PROVIDE ALL NECESSARY HORIZONTAL AND VERTICAL TRANSITIONS BETWEEN NEW CONSTRUCTION AND EXISTING SURFACES TO PROVIDE FOR PROPER DRAINAGE AND FOR INGRESS AND EGRESS TO NEW CONSTRUCTION. THE EXTENT OF THE TRANSITIONS TO BE AS SHOWN ON PLANS.

12. ALL GRADING WORK SHALL CONFORM TO THE SOILS REPORT AS PREPARED BY AMERICAN SOILS ENGINEERS LLC REPORT #1725-GE0 DATE FEBRUARY 6, 2015 APPROVED BY THE CITY ENGINEER, AND AS SHOWN ON THESE PLANS.

13. EXACT LOCATION OF ALL SAWOUT LINES MAY BE ADJUSTED OR DETERMINED IN THE FIELD BY A CITY OF LAS VEGAS ENGINEER IF LOCATION ON PLANS IS NOT CLEARLY SHOWN, OR EXISTING PAVEMENT CONDITION REQUIRES RELOCATIONS.

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT EXISTING PERMANENT SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE REPLACED AND ADJUSTED PER AVAILABLE RECORDS IN ACCORDANCE WITH N.R.S. STATUTE NO. 625.380 & CITY OF LAS VEGAS TITLE 18, APPENDIX D.

15. UTILITY COMPANY METER BOXES, MANHOLE LIDS, VALVE COVERS, ETC., SHALL BE LOCATED OUT OF DRIVEWAYS, DRIVEWAY APRONS, FLOWLINES, AND CROSS GUTTERS UNLESS WRITTEN APPROVAL IS GRANTED BY THE UTILITY COMPANY AND THE CITY ENGINEER.

WALL NOTES:

16. ALL WALLS, NEW OR EXISTING, ARE ONLY SHOWN ON CIVIL PLANS FOR THE PURPOSE OF REVIEWING GRADING RELATIONSHIPS; FLOOD CONTROL AND SIGHT DISTANCE AT INTERSECTIONS. NEW WALLS REQUIRE A SEPARATE PERMIT AND INSPECTION BY THE BUILDING DEPARTMENT.

17. ASPHALT MIX DESIGN MUST BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO THE PLACEMENT OF ASPHALT WITHIN CITY RIGHT OF WAY.

18. CONTRACTOR SHALL ADJUST ALL NEW AND EXISTING INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEAN OUTS, ETC. TO FINISH GRADE AS APPLICABLE WHETHER OR NOT THEY ARE SHOWN ON THE PLANS.

19. MATERIALS, HANDLING AND PLACEMENT OF PORTLAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF NDOT OR THE CLARK COUNTY AREA SPECIFICATIONS (AS APPLICABLE) AND THE PLANS AND DETAILS SHOWN HEREON.

20. WHEN INSTALLING UNDERGROUND FACILITIES THAT REQUIRE UNDERGROUND LOCATING DEVICES SUCH AS MARKER BALLS, LOCATING RIBBON, ETC. THE CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO OFFSITE INSPECTION AND TESTING CERTIFYING THAT ALL DEVICES HAVE BEEN PLACED AND VERIFIED TO BE IN GOOD WORKING CONDITION PRIOR TO THE CONSTRUCTION OF ANY ROAD BASE.

21. AFTER HAUNCHING AND PRIOR TO BACKFILL OPERATIONS WHICH WOULD COVER SANITARY SEWER AND STORM DRAIN FACILITIES, CONTRACTOR IS REQUIRED TO SCHEDULE CLV OPEN-TRENCH UTILITY SURVEY INSPECTION FOR DETERMINATION OF FINAL LOCATION COORDINATES. FACILITIES TO BE LOCATED BY CLV SHALL INCLUDE AT A MINIMUM THE HORIZONTAL AND VERTICAL (INVERT) LOCATION OF PUBLIC SEWER MANHOLES, STORM DRAIN MANHOLES AND TRANSITION STRUCTURES, STORM DRAIN LATERALS AT THE CONNECTION TO THE STORM DRAIN MAIN AND AT THE CONNECTION TO A DROP INLET, THE CONNECTION OF SEWER SERVICE LATERALS TO THE SEWER MAIN AND WHERE THE SEWER SERVICE LATERALS EXIT THE PUBLIC RIGHT-OF-WAY, SEWER AND STORM DRAIN MAIN ALIGNMENT, INCLUDING DEFLECTION POINTS.

22. CCTV VIDEO INSPECTION IS REQUIRED FOR ALL SEWER AND STORM DRAINS. THE CCTV VIDEO INSPECTIONS NEED TO BE PERFORMED PER THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS LATEST EDITION.

23. A SEPARATE BORING PERMIT IS REQUIRED FOR ALL BORING ACTIVITIES.

REVISED 02/03/15

### SOUTHWEST GAS CORPORATION NOTE

1. IN THE EVENT OF NATURAL GAS EMERGENCIES CALL 911 AND 1-877-8560-6020.
2. THERE SHALL BE A MINIMUM HORIZONTAL AND VERTICAL CLEARANCE OF 12-INCHES BETWEEN NATURAL GAS FACILITIES AND ANY UNDERGROUND FACILITIES AND/OR STRUCTURES, INCLUDING BUT NOT LIMITED TO WATER, SEWER, STORM DRAIN, COMMUNICATIONS AND ELECTRIC.
3. FOR VALVE ADJUSTMENT CONTACT 702-668-6107 48 HOURS PRIOR TO CONSTRUCTION.
4. IN THE EVENT OF A NATURAL GAS CONFLICT WITH PROPOSED UTILITIES AND/OR STRUCTURE CONTACT 702-365-2099.

### LAS VEGAS VALLEY WATER DISTRICT (LVVWD) STANDARD NOTES

PROJECT NO. LVVWD# 136741  
(REVISED 08/01/2017)

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN APPROVED FOR CONSTRUCTION BY THE LVVWD. FOLLOWING WATER PLAN APPROVAL, NOTICE SHALL BE GIVEN TO THE LVVWD COMMUNICATION SUPPORT CENTER (258-7171) TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. FOR FUTURE INSPECTIONS, NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO THE REQUESTED LVVWD INSPECTION. WHEN REQUESTING INSPECTIONS, PLEASE REFER TO PROJECT # IDENTIFIED ABOVE.

2. ALL WORK SHALL CONFORM TO LVVWD STANDARD PLATES, DRAWINGS, AND SPECIFICATIONS, AND TO THE 2010 EDITION OF THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR POTABLE WATER SYSTEMS (UDACS). THE LATEST EDITION OF UDACS SHALL SUPERSEDE ANY CONFLICTS CONTAINED IN THE APPROVED DRAWINGS AND/OR SPECIFICATIONS.

3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 2 ABOVE, SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLARK COUNTY AREA.

4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVVWD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING WITH LVVWD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

8. ALL WATER AND STORM DRAIN OR SANITARY SEWER CROSSINGS SHALL CONFORM TO SECTION 2.22 OF THE 2010 EDITION OF THE UDACS.

9. ALL WATER FACILITIES AND APPURTENANCES SHALL BE DISINFECTED, PRESSURE TESTED, AND HAVE AN ACCEPTABLE PASSING HEALTH WATER SAMPLE OBTAINED, PRIOR TO OPERATION AND USE.

10. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVVWD CENTRAL STORES. TELEPHONE 258-3152 OR 258-3802, TWO (2) WORKING DAYS PRIOR TO METER PICKUP.

11. ANY INTERRUPTION OF SERVICE MUST BE PERFORMED IN ACCORDANCE WITH UDACS SECTION 3.14.01, AND APPROVED BY THE LVVWD INSPECTION DIVISION PRIOR TO SHUTDOWN. PROPER WRITTEN NOTIFICATION MUST BE GIVEN TO ALL AFFECTED CUSTOMERS.

12. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVVWD APPROVED PRODUCTS LIST FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS BY SUBMITTING SHOP DRAWINGS.

13. TELEPHONE "CALL BEFORE YOU DIG" AT "811" OR 1-800-227-2600.

14. THE INSTALLATION OF LAS VEGAS VALLEY WATER DISTRICT (LVVWD) MUNICIPAL WATER FACILITIES WITHIN ALL STREETS IS ASSUMED TO BE IN COMPLIANCE WITH THE UNIFORM STANDARDS, INCLUDING THE PLACEMENT OF ASPHALT PAVING STREET SURFACES. ANY REPAIR WORK DONE BY THE LVVWD TO THE MUNICIPAL WATER FACILITIES WILL INCLUDE THE PLACEMENT OF AN APPROPRIATELY SIZED ASPHALT REPAIR PATCH ON THE STREET SURFACE.

ANY DECORATIVE PAVING SURFACE WITHIN THE STREET IS THE RESPONSIBILITY OF THE OWNER'S ASSOCIATION, OR THE INDIVIDUAL PROPERTY OWNERS IF NO OWNER'S ASSOCIATION IS IN EXISTENCE, OR THE AGENCY HAVING JURISDICTION. DECORATIVE SURFACE MATERIALS PLACED WITHIN THE TEN FOOT EASEMENT ABUTTING A PUBLIC OR PRIVATE STREET, IF DISTURBED BY THE LVVWD DURING THE REPAIR OR OPERATION OF ITS FACILITIES, WILL BE REPLACED BY LVVWD WITH AN APPROPRIATELY SIZED PLAIN FINISH CONCRETE PATCH. THE LVVWD WILL NOT RESTORE, AND WILL NOT BE RESPONSIBLE FOR THE RESTORATION OF, ANY DECORATIVE PAVING SURFACE WITHIN THE STREET. THE LVVWD WILL NOT ATTEMPT TO MATCH COLOR OR FINISH OF ANY ADJACENT MATERIALS.

15. NO LEAD COMPLIANCE NOTE:  
TO COMPLY WITH THE FEDERAL SAFE DRINKING WATER ACT, ALL WATER WORKS BRASS PRODUCTS PROPOSED TO BE RELOCATED, OR INSTALLED AS NEW MUST BE INSTALLED WITH THE LEAD FREE APPROVED PRODUCT. THE OLD LEADED PRODUCT MAY NOT BE REUSED.

### CLARK COUNTY GRADING NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA NEVADA" AND CLARK COUNTY SUPPLEMENT TO "UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS", LATEST REVISION.

2. COMPLIANCE WITH AIR POLLUTION CONTROL REGULATIONS WILL BE REQUIRED AT ALL TIMES.

3. CONTRACTOR TO COORDINATE WITH CLARK COUNTY INSPECTOR AS TO THE EXACT LOCATION OF ALL SAWCUT LINES.

4. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

5. ALL CONSTRUCTION SIGNING, BARRICADING AND TRAFFIC DELINEATION SHALL CONFORM TO THE "NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1986" AND TO THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - 1988".

6. ANY AND ALL POWER POLES TO BE RELOCATED ARE TO BE DONE AT NO EXPENSE TO CLARK COUNTY.

7. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE CLARK COUNTY ENGINEER.

8. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POST SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY STANDARDS.

9. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, THEN CHANGE SIGN MOUNTING TO ONE ON THE STREET LIGHT STANDARD.

10. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HERE UNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

11. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235, CLARK COUNTY AREA STANDARDS. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.

12. CURB AND GUTTER WITH A GRADE OF LESS THAN FOUR TENTHS OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.

13. PRIVATE STREETS, CURB & GUTTER AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.

14. ALL WORK PERFORMED OUTSIDE THE PROJECT BOUNDARY AND ON PRIVATE PROPERTY SHALL NOT BE PERFORMED UNTIL WRITTEN PERMISSION AND EASEMENT HAS BEEN OBTAINED FROM THE OWNER.

15. FINAL ASPHALTIC CONCRETE(AC) PAVEMENT SURFACES SHALL BE ONE-HALF (1/2") INCH

### CITY OF LAS VEGAS SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA, AS AMENDED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BE AWARE OF THE CONTENTS OF THE ABOVE SPECIFICATIONS.

2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM CONSTRUCTION AS PER PLANS. ANY ADDITIONS, DELETIONS, OR CHANGES SHALL FIRST MEET WITH THE APPROVAL OF THE CITY ENGINEER.

3. CHISEL "S" OR "G" IN CURBS WHERE SEWER OR GAS LATERALS PASS UNDER THE CURB.

4. POLYVINYL (PVC) SEWER PIPE SHALL MEET ASTM D-3034 SDR 35 SPECIFICATIONS, INSTALLED WITH SAND BEDDING AND BACKFILL TYPE II AGGREGATE BASE.

5. ALL MANHOLES PAVED IN STREETS EIGHTY (80') FOOT R/W AND LARGER SHALL HAVE CONCRETE COLLARS. STREETS LESS THAN EIGHTY (80') FOOT R/W WILL REQUIRE RETROFIT IF PAVING DOES NOT CONFORM TO CITY STANDARDS AT THE MANHOLE.

6. TEE SADDLES SHALL BE USED TO CONNECT SEWER LATERALS TO EXISTING MAIN LINES UP TO TWELVE INCH (12") DIAMETER. CONNECTIONS TO FIFTEEN INCH (15") OR LARGER MAINS SHALL REQUIRE SPECIAL PROCEDURES. IN LINE "Y" 'S SHALL BE USED ON LINES TWELVE INCHES (12") OR ABOVE.

7. WATER MAINS SHALL BE PROTECTED IN ACCORDANCE WITH LVVWD STANDARDS WHENEVER A SEWER MAIN CROSSES OVER A WATER MAIN OR THE SEWER IS LESS THAN EIGHTEEN INCH (18") UNDER A WATER MAIN.

8. ALL CONTRACTORS INSTALLING SEWER MAINS THAT WILL BE UNDER THE JURISDICTION OF THE CITY OF LAS VEGAS MUST BE STATE OF NEVADA CLASS "A" CONTRACTORS.

9. THE CITY OF LAS VEGAS WILL NOT ACCEPT ANY SEWER MAINS WHICH HAVE A VERTICAL DEFLECTION OF MORE THAN ONE TENTH (0.1) OF A FOOT FROM THE APPROVED CONSTRUCTION PLANS AT ANY LOCATION. SEWER MAINS FOUND TO EXCEED THIS TOLERANCE WILL HAVE TO BE REPAIRED OR REMOVED OR REPLACED TO THE SATISFACTION OF THE CITY ENGINEER PRIOR TO ACCEPTANCE BY THE CITY OF LAS VEGAS.

10. INSTALLATION OF CURVED SEWER REQUIRES THE USE OF C-900 PVC PIPE WHICH ALLOWS FOR PIPE DEFLECTION AT THE JOINTS.

### FIRE DEPARTMENT GENERAL NOTES

A. ALL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE CLARK COUNTY FIRE CODE AS AMENDED, AND THE CURRENT EDITION OF NATIONAL FIRE PROTECTION ASSOCIATION PAMPHLET #24.

B. FIRE HYDRANTS AND WATER SUPPLIES FOR FIRE PROTECTION SHALL BE AND MADE SERVICEABLE PRIOR TO AND DURING THE TIME OF CONSTRUCTION IN ACCORDANCE WITH SECTION 507 OF THE CLARK COUNTY FIRE CODE, AS AMENDED.

C. IF DURING CONSTRUCTION IT BECOMES NECESSARY TO CLOSE ANY CONTROL VALVE OR PLACE A HYDRANT OUT OF SERVICE, APPROVAL SHALL BE OBTAINED FROM THE FIRE DEPARTMENT PRIOR TO PLACING THE HYDRANT OUT OF SERVICE.

D. PAINTING OF CURBS AND/OR STRIPING OF ASPHALT AREAS AND PROTECTION OF HYDRANTS FROM PHYSICAL INJURY SHALL BE PER THE FIRE HYDRANT INSTALLATION SPECIFICATIONS OF THE FIRE PREVENTION DIVISION.

E. NO FIRE HYDRANT SHALL BE LOCATED WITHIN 25 FEET OF ANY STRUCTURE, OR 6 FEET OF A DRIVEWAY, POWER POLE, LIGHT STANDARD, OR ANY OTHER OBSTRUCTION, FOR WALL, FENCE AND PLANTER LOCATIONS, A PERIMETER AROUND THE HYDRANT MEASURING A MINIMUM OF 3 FEET FROM ITS EXTERIOR SHALL BE MAINTAINED CLEAR OF ALL OBSTRUCTION AT ALL TIMES.

F. FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS, WITH A MINIMUM VEHICLE LOAD OF 33,000 POUNDS PER AXLE, AND SHALL BE SURFACED AND PAVED SO AS TO PROVIDE ALL WEATHER DRIVING CAPABILITIES.

G. PRIOR TO ACCEPTANCE OF ANY FIRE SERVICE MAIN, A SATISFACTORY HYDROSTATIC TEST WITH PIPING JOINTS UNCOVERED MUST BE CONDUCTED. APPROVED PLANS, AN INSTALLATION PERMIT AND A CONTRACTOR'S MATERIALS AND TEST CERTIFICATE MUST BE PROVIDED AT TIME OF INSPECTION. SCHEDULE INSPECTION AT [WWW.CLARKCOUNTYNV.GOV/BUILDING/FIRE-PREVENTION/PAGES/INSPECTIONSERVICES.ASPX](http://WWW.CLARKCOUNTYNV.GOV/BUILDING/FIRE-PREVENTION/PAGES/INSPECTIONSERVICES.ASPX)

H. FIRE HYDRANTS SHALL BE LOCATED 4' TO 7' FROM BACK OF CURB AND A MINIMUM OF 6 FEET AWAY FROM TURNS.

I. BLUE REFLECTIVE MARKERS MUST BE INSTALLED BEFORE FINAL HYDRANT ACCEPTANCE CAN BE ATTAINED (SECTION C107 OF THE CLARK COUNTY FIRE CODE, AS AMENDED)

J. HYDRANTS THAT ARE PROPOSED FOR INSTALLATION IN PUBLIC WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE WATER PURVEYOR. HYDRANTS PROPOSED FOR INSTALLATION ON PRIVATE WATER SYSTEMS SHALL BE IN ACCORDANCE WITH APPROVED FIRE HYDRANTS AS ALLOWED BY THE FIRE DEPARTMENT.

### COMMON ELEMENT / EASEMENT REQUIREMENTS

1. ISOLATION VALVES ARE REQUIRED AT THE POINT OF CONNECTION (EXTERIOR) AND WITHIN 10 FEET OF THE BACK OF CURB (INTERIOR), WITH NO SERVICE CONNECTIONS BETWEEN TEN VALVES.

2. THE PIPE MATERIAL BETWEEN THE VALVES MUST BE CLASS 53 DIP, DOUBLE WRAPPED RESTRAINED JOINTS.

3. THE PIPELINE MUST BE PLACED AT A MINIMUM OF 6 FOOT DEPTH OF COVER.

4. THE PIPELINE MUST BE PLACED IN A STEEL CASING FOR THE ENTIRE LENGTH OF THE EASEMENT / COMMON ELEMENT PER UDACS PLATE #23.

5. AT A MINIMUM, THE JOINTS MUST BE BONDED AND A TEST STATION INSTALLED AT ONE END OF THE EASEMENT.

6. FOR ALL PIPELINES 16-INCH AND GREATER, A TEST PORT WILL BE REQUIRED TO FACILITATE PIPELINE CONDITION ASSESSMENT.

7. THE ENTIRE TRENCH BACKFILL MUST BE CLASS 1 CLSM.

8. THE EASEMENT MUST BE A MINIMUM OF 30 FEET WIDE.

9. THE PIPELINE MUST BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF THE EASEMENT.

10. A CROSS SECTION OF THE EASEMENT MUST BE SHOWN ON THE PLANS WITH CURB / GUTTER OR BLOCK WALL USED TO DELINEATE THE BOUNDARY OF THE EASEMENT.

11. THE PIPELINE MUST BE SHOWN IN A PROFILE VIEW THE ENTIRE LENGTH OF THE COMMON ELEMENT / EASEMENT.

12. NO BUILDINGS, STRUCTURES, WALLS, FENCES OR TREES SHALL BE PLACES UPON, OVER OR UNDER SAID EASEMENT FOR THE DURATION OF THIS EASEMENT EXCEPT THAT SAID EASEMENT MAY BE IMPROVED AND USED FOR STREETS, ROADS OR DRIVEWAY PURPOSES, TRAIL, PATH, PARKING LOT, PLAYGROUND, NON-VEHICULAR PUBLIC ACCESS OR SHALLOW ROOF LANDSCAPING PURPOSES AND FOR OTHER UTILITIES, INSOFAR AS SUCH USE DOES NOT INTERFERE WITH ITS USE BY THE DISTRICT FOR THE PURPOSES FOR WHICH IT IS GRANTED.

13. CARSONITA OR BRASS MARKERS MUST BE USED TO DELINEATE THE LOCATION / ALIGNMENT OF THE PIPELINE WITHIN THE EASEMENT.

14. THE FINAL MAP MUST DEDICATE THE SUBJECT EASEMENT AREA AS A COMMON ELEMENT AND A SEPARATE EASEMENT DOCUMENT IS REQUIRED.

15. A SURFACE MAINTENANCE / REPAIR AGREEMENT WILL BE REQUIRED STATING THE DEVELOPER AGREES TO SURFACE RESTORATION / REPAIR AT SOLE COST, IN PERPETUITY.

### CLARK COUNTY DEPARTMENT OF PUBLIC WORKS NOTES

1. INSPECTIONS ARE REQUIRED. CALL 24 HOURS IN ADVANCE, 455-4610. YOUR PERMIT APPROVED PLANS, AND BARRICADE PLANS FOR THIS WORK MUST BE ON THE JOB AT ALL TIMES.

2. EXACT LOCATION OF ALL SAW-CUT LINES SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.

3. CURB AND GUTTER WITH A GRADE OF LESS THAN 4/10 OF ONE PERCENT SHALL BE CONSTRUCTED BY FORMING. EACH JOINT SHALL BE CHECKED FOR GRADE PRIOR TO CONSTRUCTION AND WATER TESTED AS SOON AS POSSIBLE AFTER CONSTRUCTION.

4. FINAL ASPHALTIC CONCRETE (AC) PAVEMENT SURFACES SHALL BE ONE-HALF (1/2") INCH ABOVE THE LIP OF THE GUTTER (INCLUDING OPEN GRADE).

5. ALL OFF-SITE IMPROVEMENT CONSTRUCTION SHALL CONFORM TO THE UNIFORM STANDARD SPECIFICATIONS AND STANDARD DRAWINGS CLARK COUNTY AREA NEVADA AND CLARK COUNTY SUPPLEMENT TO UNIFORM STANDARD DRAWINGS AND SPECIFICATIONS, LATEST REVISION. EXCEPT FOR LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "OPL" FOR LED LUMINAIRES. OPL CAN BE FOUND ONLINE AT [HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX](http://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX)

6. PRIVATE STREETS, CURB & GUTTER AND VALLEY GUTTERS REFLECTED ON THESE PLANS ARE TO BE INSPECTED BY A CLARK COUNTY INSPECTOR.

7. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED IN EACH QUADRANT OF AN INTERSECTION PER STANDARD DRAWING 235. EXACT LOCATION OF RAMPS SHALL BE DETERMINED IN THE FIELD BY A CLARK COUNTY INSPECTOR.

8. PROPER SIGNS, BARRIERS, BARRICADES AND LIGHTS SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THE LATEST "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE STANDARD DRAWINGS FOR PUBLIC WORKS. ALL SIGNS ARE TO BE MOVED FOR ANY REASON WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF T THE TEMPORARY PATCH.

9. THIS PLAN DOES NOT AUTHORIZED CLOSURE OF ANY ROAD OR STREET.

10. NO OPEN TRENCH SHALL BE ALLOWED ACROSS ANY STREET OR WITHIN TEN (10') OF ANY TRAVEL-WAY, EXCEPT WHEN WORK IS IN ACTUAL PROGRESS. AREAS COVERED BY ACCEPTABLE STEEL PLATE ARE NOT TO BE CONSTRUCTED AS A TRENCH. NO OPEN TRENCH IS PERMITTED IN EXCESS OF 500 FEET OR LENGTH NECESSARY TO ACCOMMODATE PIPE INSTALLATION IN A SINGLE DAY, WHICH EVER IS GREATER. ALL TRENCH CROSSINGS AND BACKFILL SHALL MEET THE STANDARD SPECIFICATION UNLESS OTHERWISE STATED.

11. A TEMPORARY PATCH IS TO BE IN PLACE AT THE END OF EACH WORK DAY WHERE THE BACKFILL IN THE TRENCH HAS BEEN COMPLETED AND PRIOR TO OPENING THE WORK AREA BACK TO TRAFFIC AND IS TO BE MAINTAINED BY THE PERMITEE. A PERMANENT PATCH IS TO BE IN PLACE WITHIN THIRTY (30) DAYS AFTER THE INSTALLATION OF T THE TEMPORARY PATCH.

12. COMPACTION TESTS ARE REQUIRED.

### CLARK COUNTY TRAFFIC NOTES

1. ALL PERMANENT TRAFFIC CONTROL DEVICES CALLED FOR HEREON SHALL BE IN PLACE AND IN FINAL POSITION PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE PORTIONS OF THE ROAD(S) BEING IMPROVED HEREUNDER, REGARDLESS OF THE STATUS OF COMPLETION OF PAVING OR OTHER OFF-SITE IMPROVEMENTS CALLED FOR BY THESE PLANS.

2. BEFORE ANY WORK IS STARTED IN THE RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS FOR THE CONSTRUCTION ZONE. THE CONTRACTOR SHALL INSTALL TEMPORARY GROUND MOUNTED STOP SIGNS AT ALL NEW STREET ENCROACHMENTS INTO EXISTING COUNTY STREETS IMMEDIATELY AFTER FIRST GRADING WORK IS ACCOMPLISHED, AND SHALL MAINTAIN SAID SIGNS UNTIL PERMANENT SIGNS ARE INSTALLED.

3. ALL CONSTRUCTION SIGNING, BARRICADING AND PAVEMENT MARKINGS SHALL CONFORM TO THE NEVADA WORK ZONE TRAFFIC CONTROL HANDBOOK - 1986 AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

4. IF THE IMPROVEMENTS NECESSITATE THE OBLITERATION, TEMPORARY OBSTRUCTION, TEMPORARY REMOVAL, OR RELOCATION OF ANY EXISTING TRAFFIC PAVEMENT MARKING, SUCH PAVEMENT MARKING SHALL BE RESTORED OR REPLACED WITH LIKE MATERIALS TO THE SATISFACTION OF THE COUNTY TRAFFIC MANAGER.

5. THE DEVELOPER SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PERMANENT SIGNS SHOWN ON THE PLANS. STREET NAME SIGNS SHALL CONFORM IN THEIR ENTIRETY TO CLARK COUNTY AREA STANDARDS. ALL OTHER SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE SPECIFIED ON THE PLANS. ALL SIGN POST SHALL BE INSTALLED IN ACCORDANCE WITH CLARK COUNTY AREA STANDARDS. ALL SIGNS SHALL USE CLASS V SHEETING.

6. IF A PROPOSED STREET LIGHT STANDARD IS FIELD LOCATED TO WITHIN (5) FEET OF ANY SIGN SHOWN HEREON TO BE MOUNTED ON A SIGN POST, CHANGE SIGN MOUNTING TO ONE ON THE STREET LIGHT STANDARD.

7. PRIOR TO CONSTRUCTION, THE STREET SIGN CONTRACTOR SHALL OBTAIN STREET NAMES AND SCHEDULES FROM THE CURRENT PLANNING DIVISION OF THE DEPARTMENT OF COMPREHENSIVE PLANNING.

8. ALL TRAFFIC SIGNAL POLE ASSEMBLIES, STEEL PEDESTAL FOR CABINETS, AND STREET LIGHT POLES SHALL BE GALVANIZED PER ASTM A123.

9. ALL STREET LIGHTING INSTALLATIONS SHALL CONFORM TO THE UNIFORM STANDARD DRAWINGS AND THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA, NEVADA. LATEST EDITION OF EACH EXCEPT AS NOTED ON THE STREET LIGHTING PLANS AND LUMINAIRES. REFER TO CLARK COUNTY PUBLIC WORKS QUALIFIED PRODUCTS LIST "OPL" FOR LED LUMINAIRES. OPL CAN BE FOUND ONLINE AT [HTTP://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX](http://WWW.CLARKCOUNTYNV.GOV/PUBLIC-WORKS/PAGES/DEFAULT.ASPX)

10. THE FOLLOWING CLARK COUNTY UNDERGROUND FACILITIES MAY BE LOCATED IN YOUR PROJECT AREA: STREET LIGHTING, TRAFFIC SIGNALS, FREEWAY AND ARTERIAL SYSTEM OF TRANSPORTATION INTERCONNECT CABLE. YOU MUST CONTACT CLARK COUNTY TRAFFIC MANAGEMENT DIVISION, OPERATIONS UNIT AT 455-6000 FOR LOCATIONS AT LEAST 48 HOURS PRIOR TO WORKING IN THE AREA. CLARK COUNTY IS NOT A MEMBER OF CALL BEFORE YOU DIG (UNDER-GROUND SERVICE ALERT), AND A CALL TO THAT ORGANIZATION DOES NOT RELIEVE YOU OF LIABILITY FOR CLARK COUNTY FACILITIES.

11. F.A.S.T. INTERCONNECT CABLE POLICY IS IN EFFECT. INTERCONNECT CABLE MUST BE MAINTAINED AT ALL TIMES. DEVELOPER/CONTRACTOR SHALL PROVIDE TEMPORARY OVERHEAD INTERCONNECT CABLE WHILE PERMANENT CABLE IS BEING RELOCATED. TEMPORARY AERIAL INSTALLATION MUST BE ACCEPTABLE TO THE COUNTY TRAFFIC MANAGER AND TO F.A.S.T. ANY DAMAGE TO THIS CABLE IS DEEMED IN EMERGENCY BY F.A.S.T., CITY OF LAS VEGAS, CLARK COUNTY AND NOTICED IMMEDIATELY TO F.A.S.T. ACCEPTANCE. \$2500 PER DAY DAMAGES MAY BE ASSESSED AFTER 24 HOURS HAS ELAPSED FROM TIME OF BREAK OR DAMAGE.

12. ALL NEW OR REPLACEMENT TRAFFIC SIGNAL LOOPS SHALL BE INSTALLED USING CABLE-IN-DUCT WIRING, SHALL HAVE INDEPENDENT LEAD-IN WIRES FOR EACH LOOP FROM THE CONTROLLER TO THE PULL-BOX, AND EACH LEAD-IN SHALL BE INDIVIDUALLY TAGGED.

13. TRAFFIC SIGNAL PEDESTRIAN HEADS SHALL BE THE L.E.D. TYPE.

14. ELECTRICAL POWER SERVICE POINT LOCATION(S) FOR STREET LIGHTING AND TRAFFIC SIGNALS MUST BE INDICATED ON THE PLANS. IF WIRING IS TO AN EXISTING CIRCUIT, INDICATE LOCATION OF EXISTING SERVICE POINT FOR EACH CIRCUIT.

15. WHEN STREET LIGHTS ARE TO BE CONNECTED TO AN EXISTING CIRCUIT, THE ENGINEER MUST CERTIFY THAT THE EXISTING CIRCUIT IS CAPABLE OF HANDLING THE ADDITIONAL CIRCUIT LOAD.

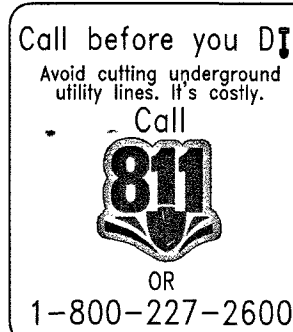
16. CLARK COUNTY RESERVES THE RIGHT TO REJECT STREET LIGHT AND TRAFFIC SIGNAL POLES AND ASSEMBLIES WHICH HAVE "STRIPED" APPEARANCE.

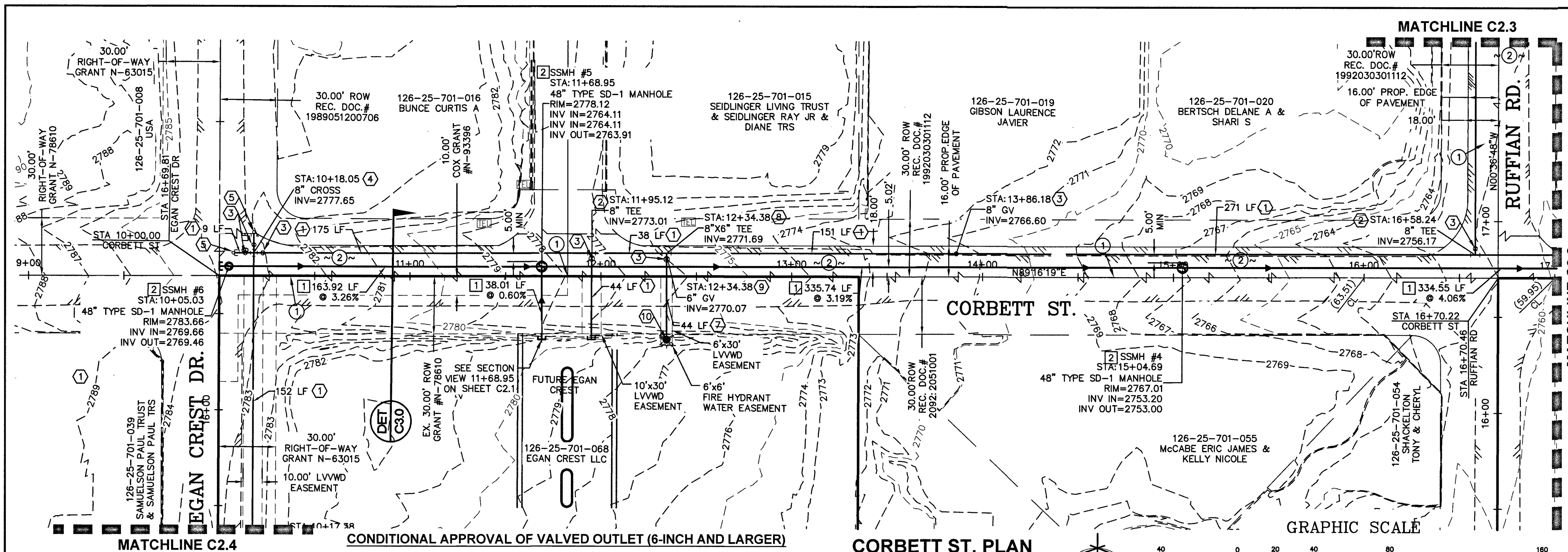
17. TWO (2) WEEKS PRIOR TO BEGINNING OF CONSTRUCTION, MODIFICATION, OR RELOCATION OF ANY TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION OF THE DATE THAT WORK WILL BEGIN.

18. THREE (3) NORMAL WORKING DAYS PRIOR TO TURN-ON OR COMPLETION OF MODIFICATION(S) TO A TRAFFIC SIGNAL SYSTEM, WRITTEN NOTICE SHALL BE SUBMITTED TO THE CLARK COUNTY TRAFFIC MANAGEMENT DIVISION THAT WORK IS BEING COMPLETED AND THE PROPOSED DATE OF COMPLETION.

### DISCLAIMER NOTE

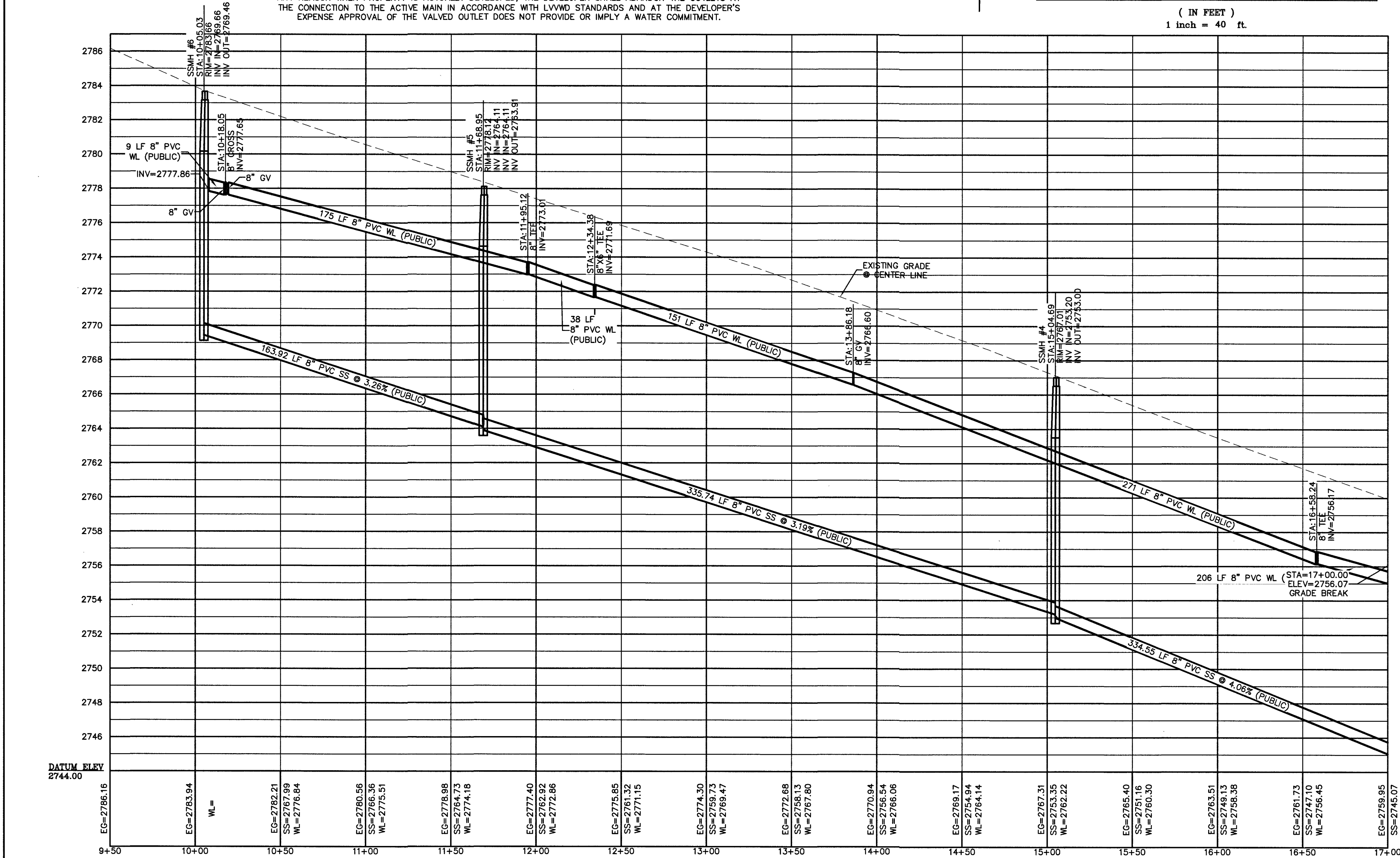
UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.





**CONDITIONAL APPROVAL OF VALVED OUTLET (6-INCH AND LARGER)**

THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATIONS OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH LVWD STANDARDS AND AT THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.



#### SEWER CONSTRUCTION NOTES

| # | ITEM                                                                         | UNIT | PUBLIC | PRIVATE | NDOT |
|---|------------------------------------------------------------------------------|------|--------|---------|------|
| 1 | INSTALL 8" C-900 PVC (SDR-35) SEWER MAIN PER SD-17 (PUBLIC)                  | LF   | 1528   | -       | -    |
| 2 | CONSTRUCT 48" DIA. SANITARY SEWER MANHOLE PER STD. DWG. NO. 1 & SD-3         | EA   | 7      | -       | -    |
| 3 | CONNECTION TO EXISTING MANHOLE SHALL COMPLY WITH 4TH EDITION OF DCSWCS 2.3.8 | EA   | 1      | -       | -    |

ALL SEWER/STORM DRAIN CROSSING WATER LINES MUST COMPLY WITH UDACS SECTION 2.22

#### CORBETT ST. PROFILE

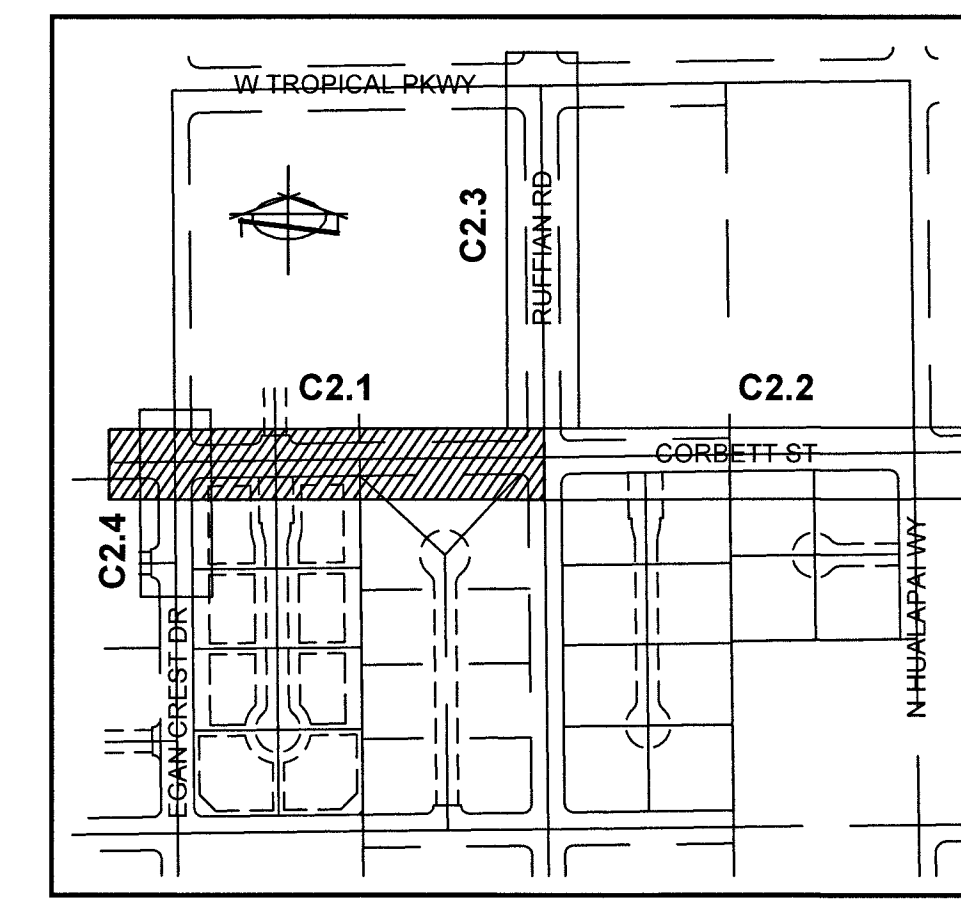
(PUBLIC)  
SCALE: HORIZONTAL 1"=40'  
VERTICAL 1"=4'

**USE OF CUT-OFF WALLS NEARLY LVVWD FACILITIES**

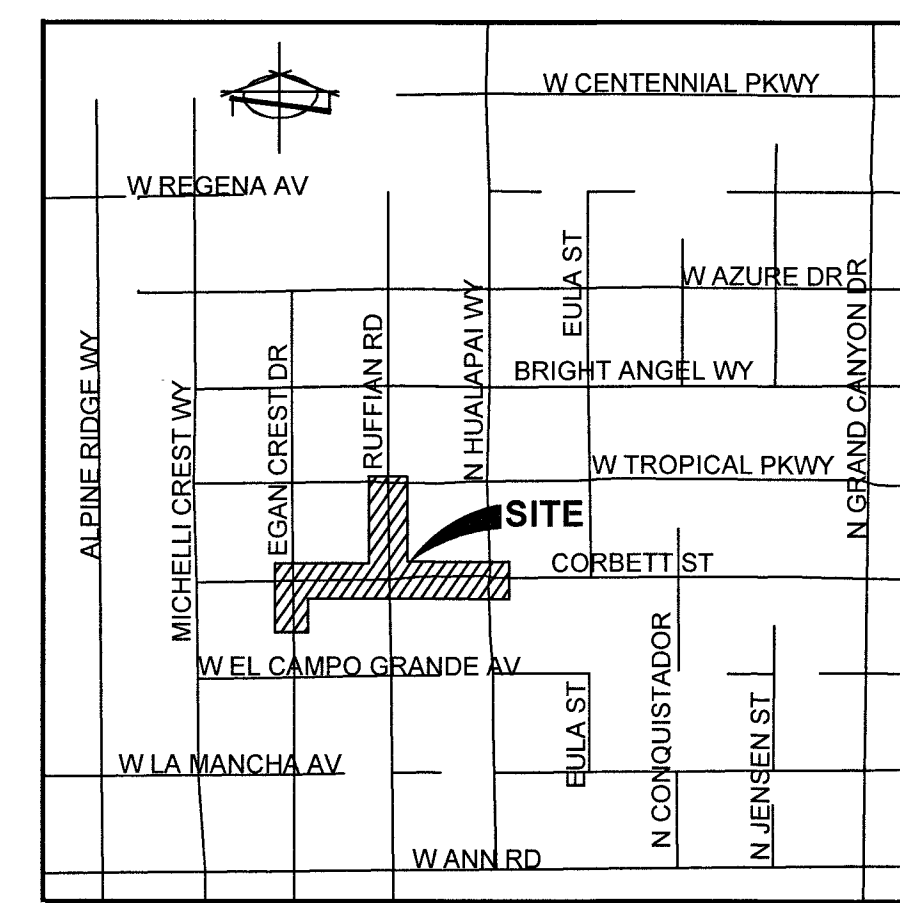
FIVE FEET MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN THE CUT-OFF WALL AND THE WATER MAIN. FOR CROSSING OVER THE PROPOSED WATER MAIN, THE MAIN MUST BE WITHIN A STEEL CASING (PER UDACS PLATE 23) SPANNING FIVE FEET ON EITHER SIDE OF THE CUT-OFF WALL AND VERTICAL SEPARATION OF NO LESS THAN ONE FOOT BETWEEN TOP OF CASING AND BOTTOM OF THE WALL. IF THE MAIN IS EXISTING, A MINIMUM OF ONE FOOT VERTICAL IS REQUIRED AND CLSM 1 BETWEEN THE TOP OF THE MAIN AND THE BOTTOM OF THE CUT-OFF WALL.

#### CONSTRUCTION NOTES

| # | ITEM                                                              | UNIT | PUBLIC | PRIVATE | NDOT |
|---|-------------------------------------------------------------------|------|--------|---------|------|
| 1 | SAW CUT AND MATCH EX. PAVEMENT PER CCAUSD #5 503, 500.4 AND 500.5 | LF   | 2081   | -       | -    |
| 2 | INSTALL 3" MIN. AC PAVEMENT OVER 4" MIN TYPE II AGG BASE          | SY   | 3847   | -       | -    |
| 3 | INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKER            | EA   | 1      | -       | -    |
| 4 | INSTALL 4" WHITE EDGE LINE (PAINT). (12' FROM CENTERLINE)         | LF   | 1658   | -       | -    |



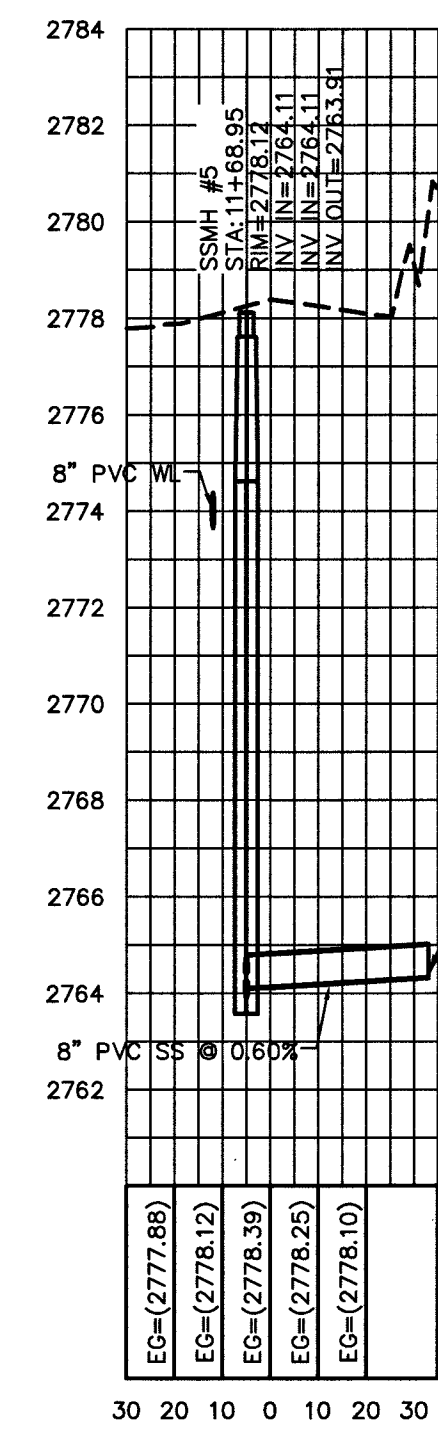
KEY MAP  
NO SCALE



VICINITY MAP  
NO SCALE

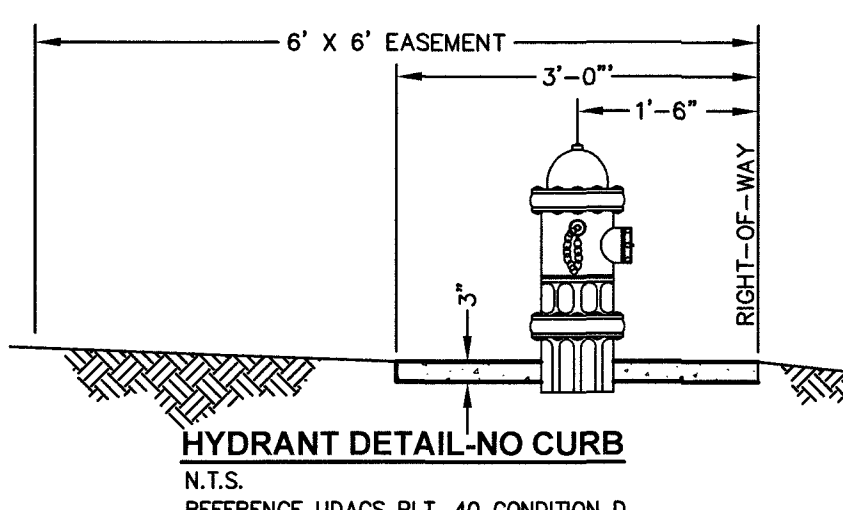
#### WATER CONSTRUCTION NOTES

| #  | ITEM                                                               | UNIT | PUBLIC | PRIVATE | NDOT |
|----|--------------------------------------------------------------------|------|--------|---------|------|
| 1  | INSTALL 8" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 2564   | -       | -    |
| 2  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 14     | -       | -    |
| 3  | INSTALL 8" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 4      | -       | -    |
| 4  | INSTALL 8" CROSS W/THRUST BLOCK PER UDACS PLATE #31                | EA   | 2      | -       | -    |
| 5  | INSTALL 8" CAP AND 2" BLOWOFF VALVE PER UDACS PLT. #36             | EA   | 5      | -       | -    |
| 6  | INSTALL 8" 45 BEND WITH THRUST BLOCK PER UDACS PLATE #31           | EA   | 4      | -       | -    |
| 7  | INSTALL 6" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 30     | -       | -    |
| 8  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 3      | -       | -    |
| 9  | INSTALL 6" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 3      | -       | -    |
| 10 | INSTALL HYDRANT ASSEMBLY PER UDACS PLATE #40.                      | EA   | 3      | -       | -    |
| 11 | REMOVE CAP AND B.O. AND CONNECT TO EX. WATERLINE                   | EA   | 1      | -       | -    |
| 12 | INSTALL 10"x8" REDUCER PER UDACS PLATE #30                         | EA   | 1      | -       | -    |



**TO ENSURE LVVWD ACCESS WITHIN EASEMENT**

ALL ABOVE GROUND OBSTRUCTIONS INCLUDE BUT NOT LIMITED TO, LANDSCAPE BOLLARDS, FENCES/WALLS, (TO INCLUDE NO FOOTINGS), AND SIGNS ARE STRICTLY PROHIBITED WITHIN EASEMENT.



HYDRANT DETAIL - NO CURB  
N.T.S.  
REFERENCE UDACS PLT. 40 CONDITION D

#### SECTION VIEW

SCALE: 1"=40'

#### APPROVALS

CLARK COUNTY FIRE DEPARTMENT  
FPI9-06587  
DATE: 11-19-19

APPROVAL OF THESE PLANS FOR FILING SHALL NOT BE A PERMIT FOR, OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND / OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN. NOTE: POWER POLES AND / OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

#### DISCLAIMER NOTE

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you Dig  
Avoid cutting underground utility lines. It's costly.  
811  
OR  
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.  
CALL-BEFORE-YOU-DIG  
OVER-HEAD  
1-702-227-2929

FAST  
Call before you UnderGround  
1-702-432-5300  
1 DAY AND AFTERNOON SYSTEM OF TRANSPORTATION

PROFESSIONAL ENGINEER - STATE OF NEVADA  
No. 13140  
11/19/19

APPROVED FOR CONSTRUCTION  
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES  
PROJECT NO. 136741 FIRST APPROVED DATE: 11-20-19  
LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL  
SHEETS C1.1, C1.2, C2.1, C2.2, C2.3, C2.4, C3.0

CLARK COUNTY  
DEPARTMENT OF PUBLIC WORKS  
DEVELOPMENT REVIEW

LIBERTY HOMES  
180 N. TOWN CENTER DR #100  
LAS VEGAS, NV 89108  
702-882-1424

PREPARED FOR: 11/14/2018

DATE: 11/14/2018

DESIGN: JRG

DRAWN: EC

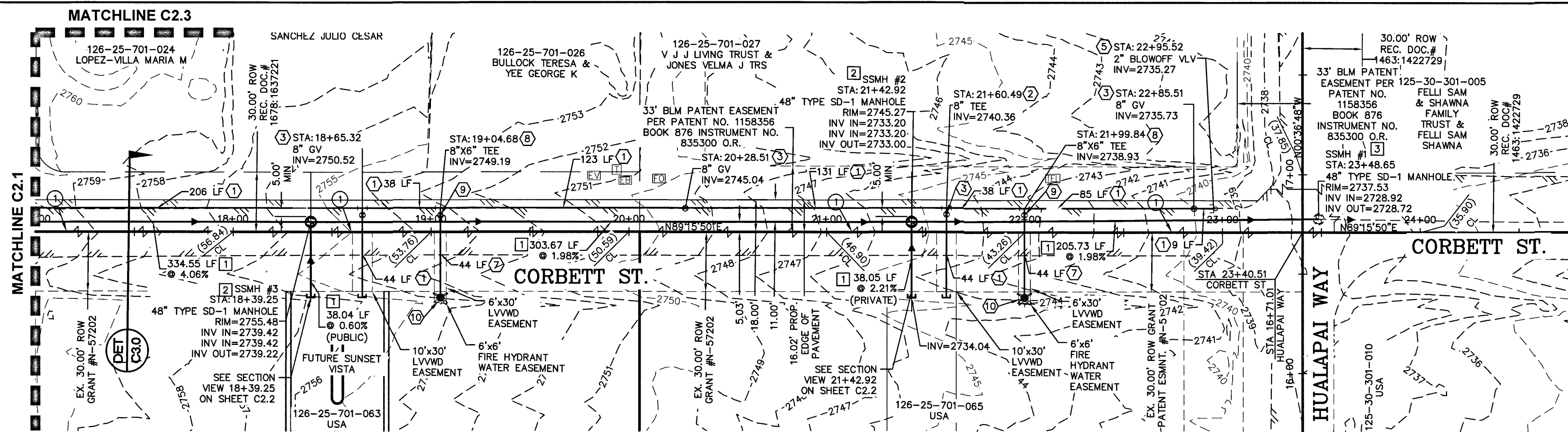
CHECK: JRG

SCALE: 40

BAUGHMAN & TURNER, INC.  
CIVIL ENGINEERS  
LAND PLANNERS  
LAND SURVEYORS  
1210 HINSON STREET  
LAS VEGAS, NEVADA 89102  
PHONE: (702) 870-8771  
FAX: (702) 878-2695

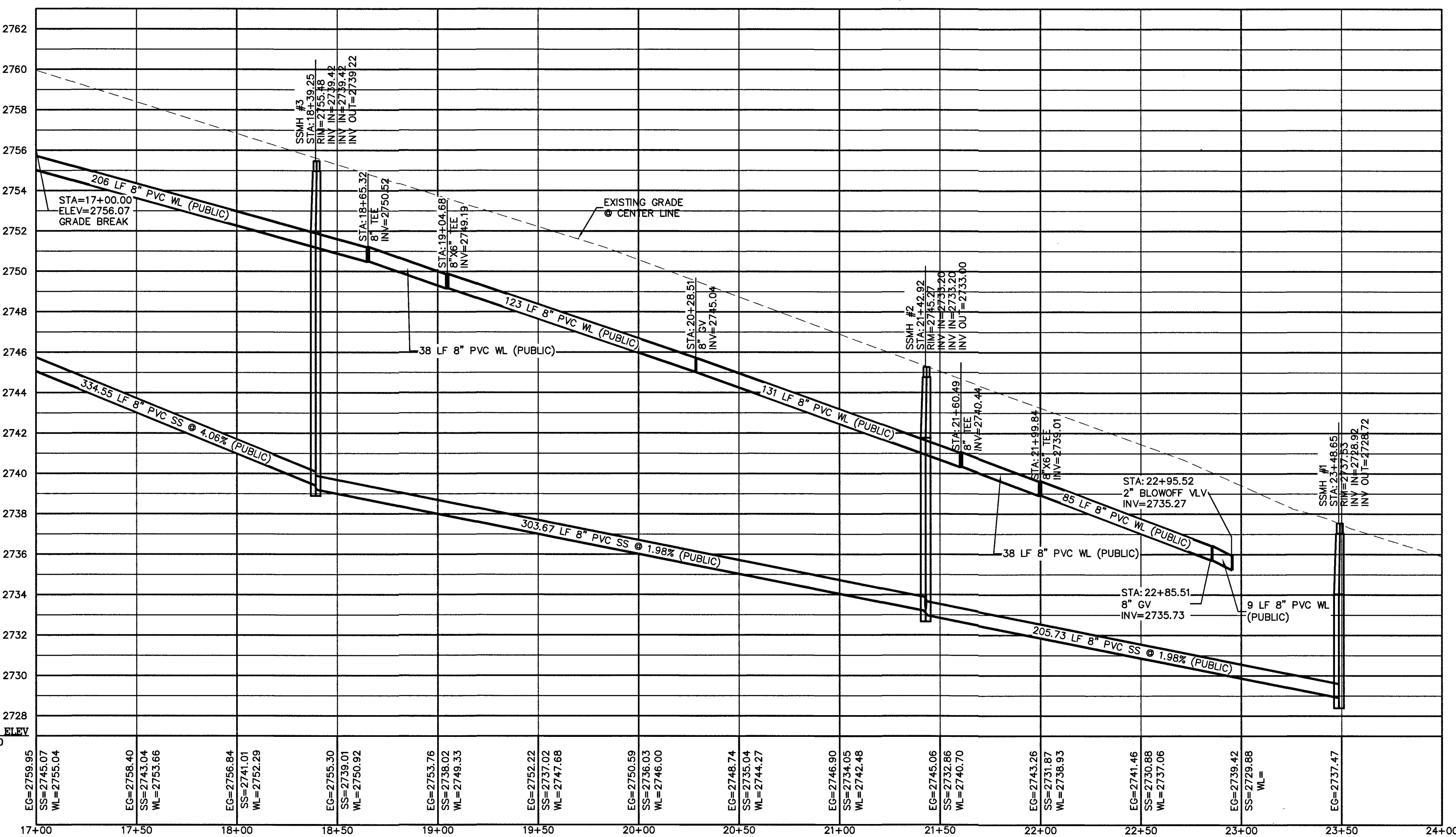
LIBERTY HOMES - EGAN CREST WATER AND SEWER LINES EXTENSION  
PLAN AND PROFILE - PPO1  
SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.B. & M. NEVADA  
APN 126-25-701-063, 126-25-701-065, 126-25-701-068

SHEET  
C2.1  
3 OF 7  
PROJ. NO. L214



**CORBETT ST. PLAN**  
(PUBLIC)

SCALE: HORIZONTAL 1"=40'



**CORBETT ST. PROFILE**  
(PUBLIC)

SCALE: HORIZONTAL 1"=40'

VERTICAL 1"=4'

**WATER CONSTRUCTION NOTES**

| #  | ITEM                                                               | UNIT | PUBLIC | PRIVATE | NDOT |
|----|--------------------------------------------------------------------|------|--------|---------|------|
| 1  | INSTALL 8" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 2564   | -       | -    |
| 2  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 14     | -       | -    |
| 3  | INSTALL 8" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 4      | -       | -    |
| 4  | INSTALL 8" CROSS W/THRUST BLOCK PER UDACS PLATE #31                | EA   | 2      | -       | -    |
| 5  | INSTALL 8" CAP AND 2" BLOWOFF VALVE PER UDACS PLT. #36             | EA   | 5      | -       | -    |
| 6  | INSTALL 8" 45 BEND WITH THRUST BLOCK PER UDACS PLATE #31           | EA   | 4      | -       | -    |
| 7  | INSTALL 8" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 30     | -       | -    |
| 8  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 3      | -       | -    |
| 9  | INSTALL 8" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 3      | -       | -    |
| 10 | INSTALL HYDRANT ASSEMBLY PER UDACS PLATE #40.                      | EA   | 3      | -       | -    |
| 11 | REMOVE CAP AND B.O. AND CONNECT TO EX. WATERLINE                   | EA   | 1      | -       | -    |
| 12 | INSTALL 10"x8" REDUCER PER UDACS PLATE #30                         | EA   | 1      | -       | -    |

**SEWER CONSTRUCTION NOTES**

| # | ITEM                                                                         | UNIT | PUBLIC | PRIVATE | NDOT |
|---|------------------------------------------------------------------------------|------|--------|---------|------|
| 1 | INSTALL 8" C-900 PVC (SDR-35) SEWER MAIN PER SD-17 (PUBLIC)                  | LF   | 1528   | -       | -    |
| 2 | CONSTRUCT 48" DIA. SANITARY SEWER MANHOLE PER STD. DWG. NO. 1 & SD-3.        | EA   | 7      | -       | -    |
| 3 | CONNECTION TO EXISTING MANHOLE SHALL COMPLY WITH 4TH EDITION OF DCSWCS 2.3.8 | EA   | 1      | -       | -    |

**CONSTRUCTION NOTES**

| # | ITEM                                                              | UNIT | PUBLIC | PRIVATE | NDOT |
|---|-------------------------------------------------------------------|------|--------|---------|------|
| 1 | SAW CUT AND MATCH EX. PAVEMENT PER CCAUSD #S 503, 500.4 AND 500.5 | LF   | 2081   | -       | -    |
| 2 | INSTALL 3" MIN. AC PAVEMENT OVER 4" MIN TYPE II AGG BASE          | SY   | 3847   | -       | -    |
| 3 | INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKER.           | EA   | 1      | -       | -    |
| 4 | INSTALL 4" WHITE EDGE LINE (PAINT). (12' FROM CENTERLINE)         | LF   | 1658   | -       | -    |

**WATER MAIN JOINT DEFLECTION,**  
PER UDACS 2.07.01 AND 2.07.03

**TO ENSURE LVVWD ACCESS WITHIN EASEMENT**

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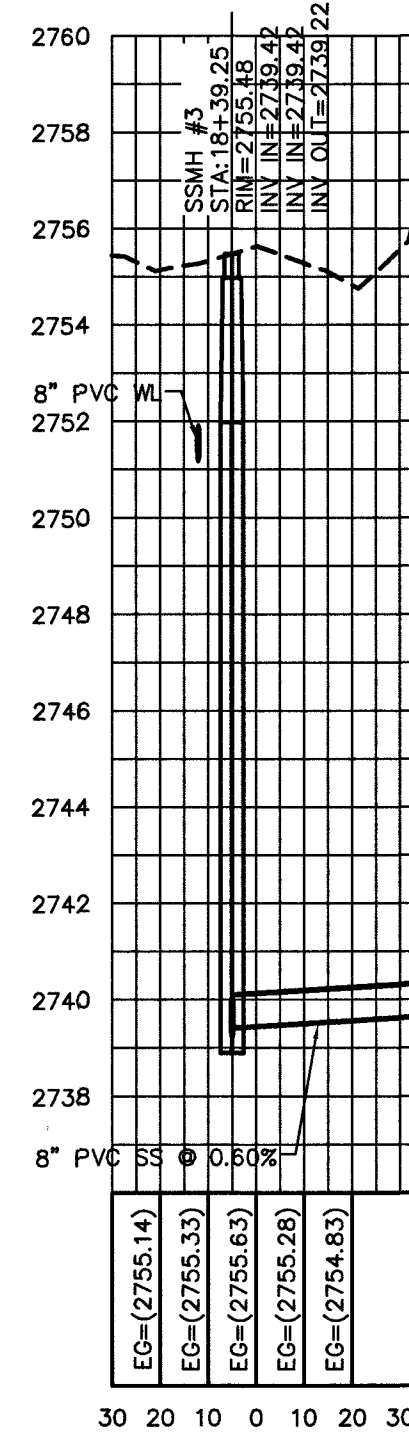
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**USE OF CUT-OFF WALLS NEARLY LVVWD FACILITIES**

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**CONDITIONAL APPROVAL OF VALVED OUTLET (6-INCH AND LARGER)**

THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS EXTENDING OUT OF PAVED AREAS. INSTALLATIONS OF THESE OUTLETS IS ACCEPTABLE, HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH LVVWD STANDARDS AND AT THE DEVELOPER'S EXPENSE. APPROVAL OF THE VALVED OUTLET DOES NOT PROVIDE OR IMPLY A WATER COMMITMENT.



**SECTION VIEW**  
SCALE: 1"=40'

APPROVED FOR CONSTRUCTION

CLARK COUNTY FIRE DEPARTMENT  
PROJECT NO. 136741 FIRST APPROVED DATE: 11-20-19  
LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

SHEETS C1.1, C1.2, C2.1, C2.2, C2.3, C2.4, C3.0

**APPROVALS**

CLARK COUNTY FIRE DEPARTMENT  
DATE 11-19-19

APPROVAL OF THESE PLANS SHALL NOT CONSTITUTE TO BE A PERMIT FOR, OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS. FIRE FLOW = 1500 GPM AT 20 PSI RESIDUAL

**DISCLAIMER NOTE**

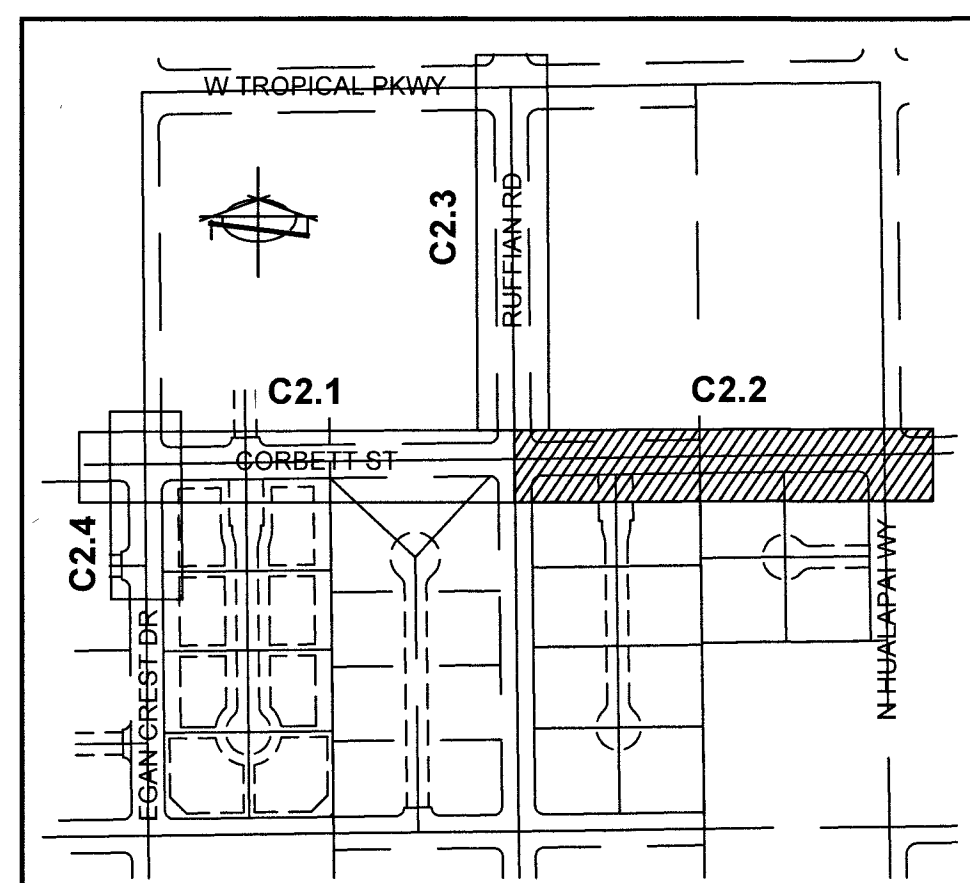
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Call before you Dig  
Call 811  
1-800-227-2600

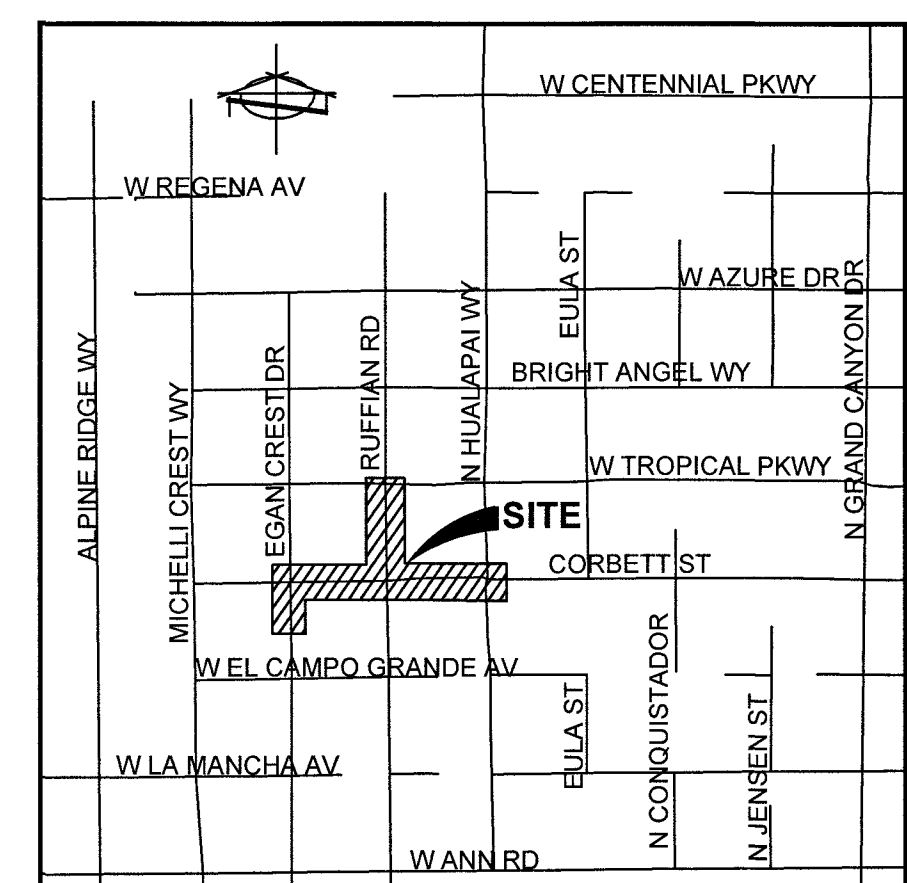
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.  
Call before you Dig  
1-702-227-2929

FAST  
Call before you Dig  
UnderGround  
1-702-432-5300

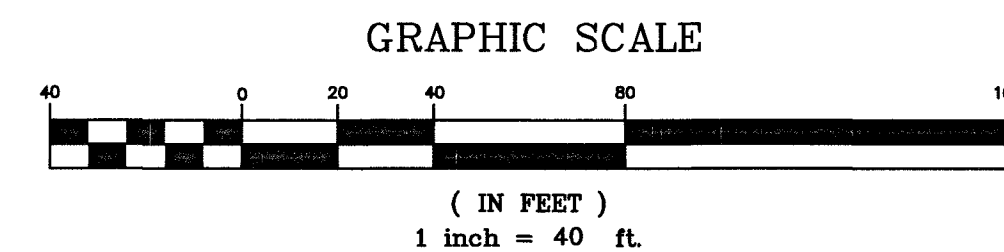
PROFESSIONAL ENGINEER - STATE OF NEVADA  
JOHN R. GUSTAFSON  
No. 13110



**KEY MAP**  
NO SCALE



**VICINITY MAP**  
NO SCALE



**LEGEND**

- PROPERTY LINE
- PROPOSED "L" CURB & GUTTER
- EXISTING "L" CURB & GUTTER
- LIMITS OF SAWCUT, AC TRENCH AND BACKFILL
- PROPOSED WTR
- EXISTING WTR
- PROPOSED SS
- EXISTING SS
- PROPOSED EDGE OF PAVEMENT
- EXIST. EDGE OF PAVEMENT
- WATER CONSTRUCTION NOTE
- SEWER CONSTRUCTION NOTE
- PROP. HYDRANT
- EX. HYDRANT
- EX. FIRE DEPARTMENT CONNECTION
- PROPOSED SSMH
- EXISTING SSMH
- PROPOSED SDMH
- EXISTING SDMH
- PROPOSED GATE VALVE
- EXISTING GATE VALVE
- BLOWOFF VALVE
- BACK WATER VALVE
- PRESSURE REDUCING VALVE
- UDACS
- DCSWCS
- UNIFORM DESIGN AND CONSTRUCTION STANDARDS
- DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS
- WATER LINE
- SANITARY SEWER
- STORM DRAIN
- FINISHED FLOOR ELEVATION
- LINEAR FEET
- SANITARY SEWER MANHOLE
- STORM DRAIN MANHOLE
- INVERT
- POLYVINYL CHLORIDE PIPE
- DUCTILE IRON PIPE
- REINFORCED CONCRETE PIPE
- PRESSURE REDUCING VALVE

PREPARED FOR:

DATE

DESIGN

DRAWN

CHECK

SCALE

11/14/2019

JRG

EC

JRG

40

BAUGHMAN & TURNER, INC.

LAND PLANNERS

LAND SURVEYORS

CIVIL ENGINEERS

1210 HINSON STREET

PHONE: (702) 870-8771

FAX: (702) 878-2695

LAS VEGAS, NEVADA

89102

LIBERTY HOMES - EGAN CREST WATER AND SEWER LINES EXTENSION

PLAN AND PROFILE - PPO2

SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.B. & M.

NEVADA

APN 126-25-701-063, 126-25-701-065, 126-25-701-068

CLARK COUNTY

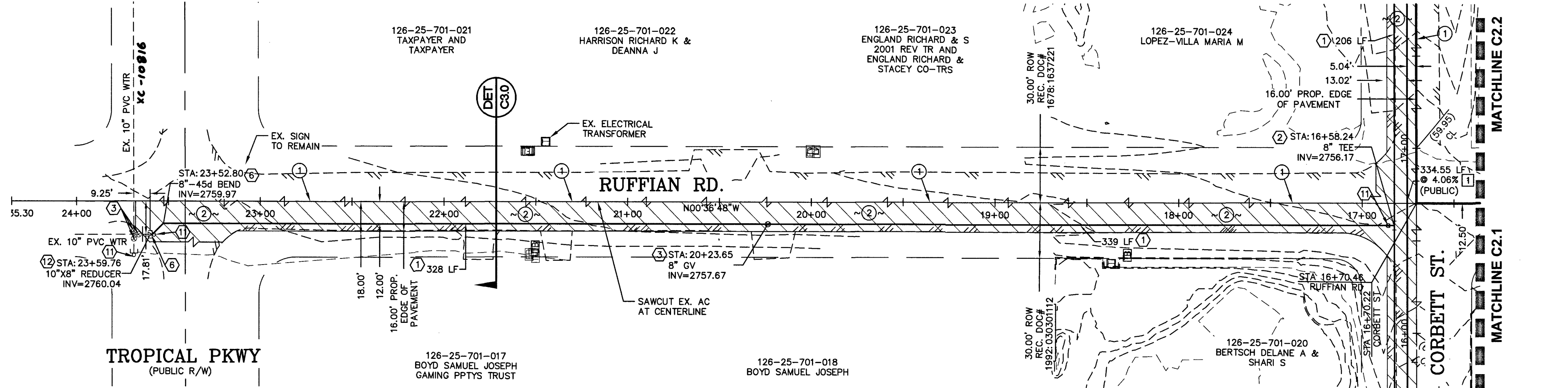
SHEET

C2.2

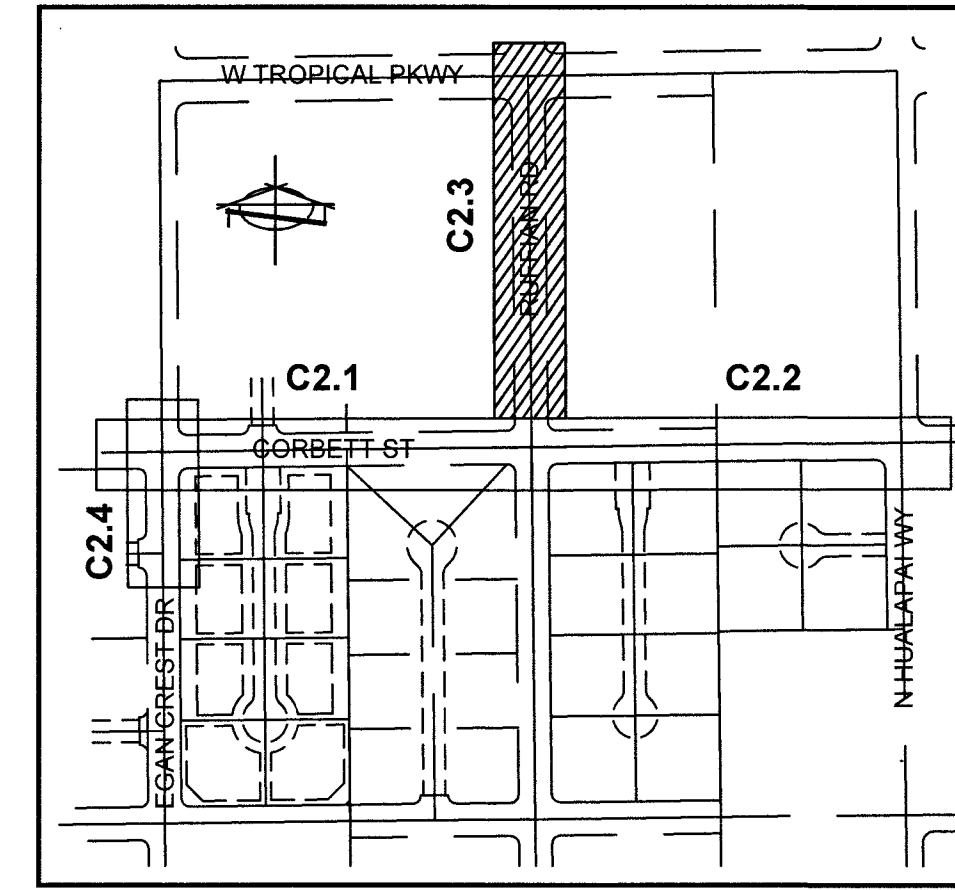
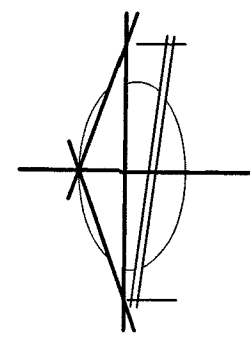
4 OF 7

PROJ. NO.

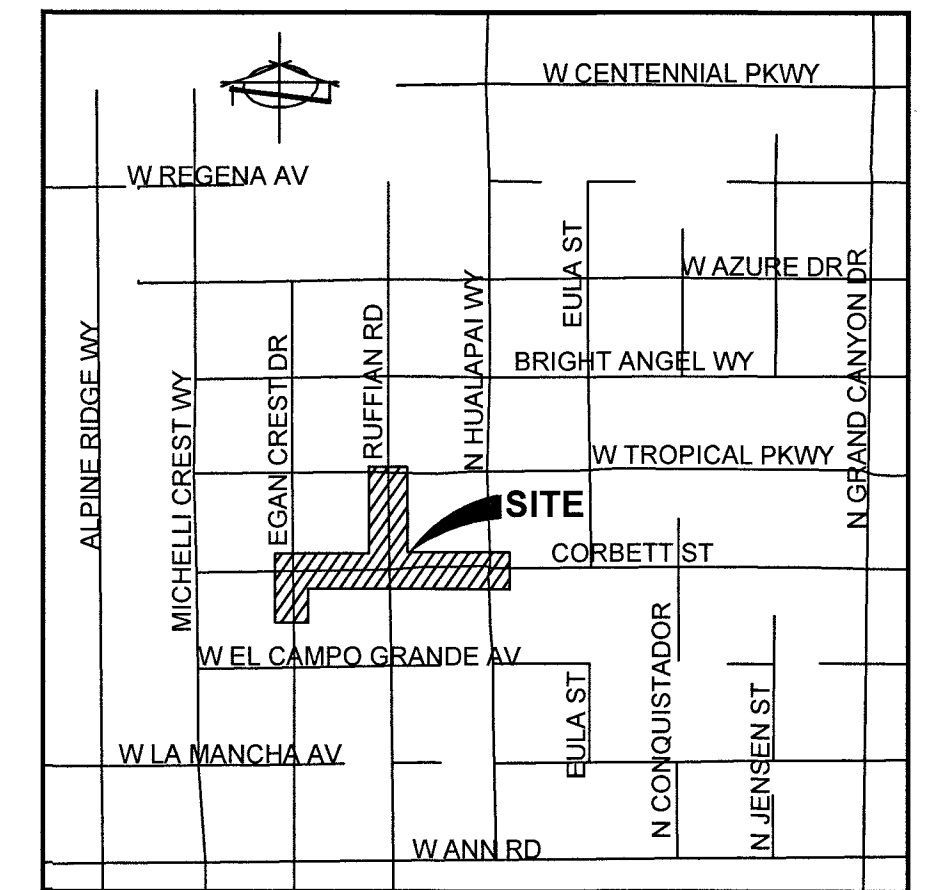
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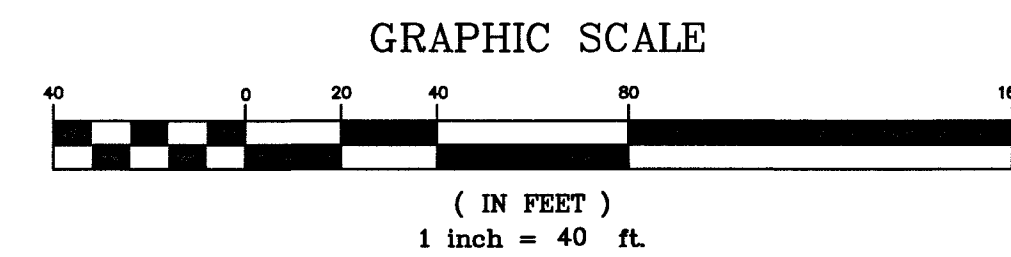
**RUFFIAN ROAD**  
(PUBLIC)  
SCALE: HORIZONTAL 1"=40'



**KEY MAP**  
NO SCALE



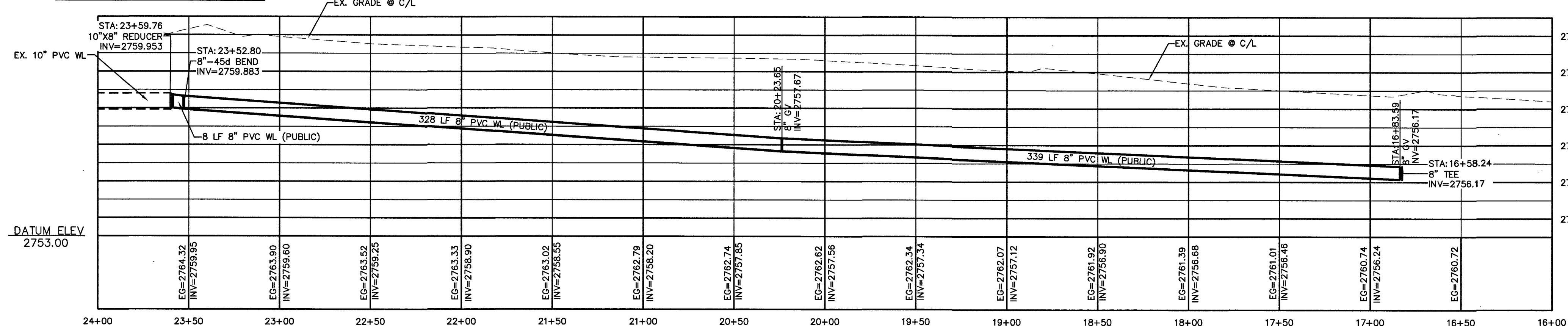
**VICINITY MAP**  
NO SCALE



**LEGEND**

- PROPERTY LINE
- PROPOSED "L" CURB & GUTTER
- EXISTING "L" CURB & GUTTER
- LIMITS OF SAWCUT, AC TRENCH AND BACKFILL
- PROP WTR --- PROPOSED WTR
- EX. WTR --- EXISTING WTR
- PROP SS --- PROPOSED SS
- EX. SS --- EXISTING SS
- PROPOSED EDGE OF PAVEMENT
- EXIST. EDGE OF PAVEMENT
- ⊕ WATER CONSTRUCTION NOTE
- ⊕ SEWER CONSTRUCTION NOTE
- ⊕ PROP. HYDRANT
- ⊕ EX. HYDRANT
- ⊕ EX. FIRE DEPARTMENT CONNECTION
- ⊕ PROPOSED SSMH
- ⊕ EXISTING SSMH
- ⊕ PROPOSED SDMH
- ⊕ EXISTING SDMH
- ⊕ PROPOSED GATE VALVE
- ⊕ EXISTING GATE VALVE
- ⊕ BLOWOFF VALVE
- ⊕ BACK WATER VALVE
- ⊕ PRESSURE REDUCING VALVE
- UDACS DCSCWS UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS
- WL WATER LINE
- SS SANITARY SEWER
- SD STORM DRAIN
- FF FINISHED FLOOR ELEVATION
- LF LINEAR FEET
- SSMH SANITARY SEWER MANHOLE
- SDMH STORM DRAIN MANHOLE
- INV INVERT
- PVC POLYVINYL CHLORIDE PIPE
- DI DUCTILE IRON PIPE
- ROP REINFORCED CONCRETE PIPE
- PRV PRESSURE REDUCING VALVE

**CUT AND REMOVE EXISTING PIPE THREE (3) FEET  
MINIMUM FROM THE END OF MAIN.**



**RUFFIAN ROAD PROFILE**  
(PUBLIC)  
SCALE: HORIZONTAL 1"=40'  
VERTICAL 1"=4'

**PROTECT IN PLACE AND ADJUST LVVWD EXISTING  
FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD  
FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.**

**WATER CONSTRUCTION NOTES**

| #  | ITEM                                                               | UNIT | QUANTITY |         |      |
|----|--------------------------------------------------------------------|------|----------|---------|------|
|    |                                                                    |      | PUBLIC   | PRIVATE | NDOT |
| 1  | INSTALL 8" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 2564     | -       | -    |
| 2  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 14       | -       | -    |
| 3  | INSTALL 8" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 4        | -       | -    |
| 4  | INSTALL 8" CROSS W/THRUST BLOCK PER UDACS PLATE #31                | EA   | 2        | -       | -    |
| 5  | INSTALL 8" CAP AND 2" BLOWOFF VALVE PER UDACS PLT. #36             | EA   | 5        | -       | -    |
| 6  | INSTALL 8" 45 BEND WITH THRUST BLOCK PER UDACS PLATE #31           | EA   | 4        | -       | -    |
| 7  | INSTALL 6" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 30       | -       | -    |
| 8  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 3        | -       | -    |
| 9  | INSTALL 6" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 3        | -       | -    |
| 10 | INSTALL HYDRANT ASSEMBLY PER UDACS PLATE #40.                      | EA   | 3        | -       | -    |
| 11 | REMOVE CAP AND B.O. AND CONNECT TO EX. WATERLINE                   | EA   | 1        | -       | -    |
| 12 | INSTALL 10"x8" REDUCER PER UDACS PLATE #30                         | EA   | 1        | -       | -    |

**CONSTRUCTION NOTES**

| # | ITEM                                                              | UNIT | QUANTITY |         |      |
|---|-------------------------------------------------------------------|------|----------|---------|------|
|   |                                                                   |      | PUBLIC   | PRIVATE | NDOT |
| 1 | SAW CUT AND MATCH EX. PAVEMENT PER CCAUSD #5 503, 500.4 AND 500.5 | LF   | 2081     | -       | -    |
| 2 | INSTALL 3" MIN. AC PAVEMENT OVER 4" MIN TYPE II AGG BASE          | SY   | 3847     | -       | -    |
| 3 | INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKER.           | EA   | 1        | -       | -    |
| 4 | INSTALL 4" WHITE EDGE LINE (PAINT). (12' FROM CENTERLINE)         | LF   | 1658     | -       | -    |

**SEWER CONSTRUCTION NOTES**

| # | ITEM                                                                         | UNIT | QUANTITY |         |      |
|---|------------------------------------------------------------------------------|------|----------|---------|------|
|   |                                                                              |      | PUBLIC   | PRIVATE | NDOT |
| 1 | INSTALL 8" C-900 PVC (SDR-35) SEWER MAIN PER SD-17 (PUBLIC)                  | LF   | 1528     | -       | -    |
| 2 | CONSTRUCT 48" DIA. SANITARY SEWER MANHOLE PER STD. DWG. NO. 1 & SD-3.        | EA   | 7        | -       | -    |
| 3 | CONNECTION TO EXISTING MANHOLE SHALL COMPLY WITH 4TH EDITION OF DCSCWS 2.3.8 | EA   | 1        | -       | -    |

**WATER MAIN JOINT DEFLECTION,  
PER UDACS 2.07.01 AND 2.07.03**

**ALL SEWER/STORM DRAIN CROSSING WATER  
LINES MUST COMPLY WITH UDACS SECTION 2.22**

**USE OF CUT-OFF WALLS NEARLY LVVWD FACILITIES**

FIVE FEET MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN THE CUT-OFF WALL AND THE WATER MAIN. FOR CROSSING OVER THE PROPOSED WATER MAIN, THE MAIN MUST BE WITHIN A STEEL CASING (PER UDACS PLATE 23) SPANNING FIVE FEET ON EITHER SIDE OF THE CUT-OFF WALL AND VERTICAL SEPARATION OF NO LESS THAN ONE FOOT BETWEEN TOP OF CASING AND BOTTOM OF THE WALL. IF THE MAIN IS EXISTING, A MINIMUM OF ONE FOOT VERTICAL IS REQUIRED AND CLSM 1 BETWEEN THE TOP OF THE MAIN AND THE BOTTOM OF THE CUT-OFF WALL.

APPROVED FOR CONSTRUCTION

*[Signature]*

LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 136741 FIRST APPROVED DATE: 11-30-19

LVVWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

SHEETS C1.1, C1.2, C2.1, C2.2, C2.3, C2.4, C3.0

**APPROVALS**

CLARK COUNTY  
DEPARTMENT OF PUBLIC WORKS  
DEVELOPMENT REVIEW

*[Signature]* 11-19-19

CLARK COUNTY FIRE DEPARTMENT **FP19-06587** DATE

APPROVAL OF THESE PLANS SHALL NOT CONSTRUED TO BE A PERMIT FOR, OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND / OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN. NOTE: POWER POLES AND / OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

**DISCLAIMER NOTE**

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you Dig  
Avoid cutting underground utility lines. It's costly.

**811**

OR

1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL-BEFORE-YOU-DIG  
OVER-HEAD

**FAST**

UnderGround

1-702-227-2929

CLU DWG# 307V1105  
CLU L19-01098 PW19-14834

PROFESSIONAL ENGINEER-STATE OF NEVADA

*[Signature]*

NOV 13 2019

**LIBERTY HOMES - EGAN CREST WATER AND SEWER LINES EXTENSION  
PLAN AND PROFILE - PP03**

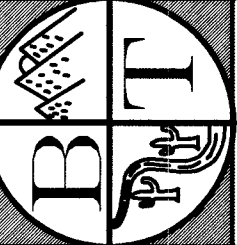
SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.B. & M. NEVADA

CLARK COUNTY  
APN

**C2.3**

5 OF 7  
PROJ. NO. L214

BAUGHMAN & TURNER, INC.



CIVIL ENGINEERS  
LAND PLANNERS  
LAND SURVEYORS  
1210 HINSON STREET  
LAS VEGAS, NEVADA 89102  
PHONE: (702) 870-8771  
FAX: (702) 878-2695

PREPARED FOR :

**LIBERTY HOMES**  
1180 N. TOWN CENTER DR #100  
LAS VEGAS, NV 89108  
702-682-1424

11/14/2018

DATE

DESIGN

DRAWN

CHECK

SCALE

1/4"

1/8"

1/16"

1/32"

1/64"

1/128"

1/256"

1/512"

1/1024"

1/2048"

1/4096"

1/8192"

1/16384"

1/32768"

1/65536"

1/131072"

1/262144"

1/524288"

1/1048576"

1/2097152"

1/4194304"

1/8388608"

1/16777216"

1/33554432"

1/67108864"

1/134217728"

1/268435456"

1/536870912"

1/1073741824"

1/2147483648"

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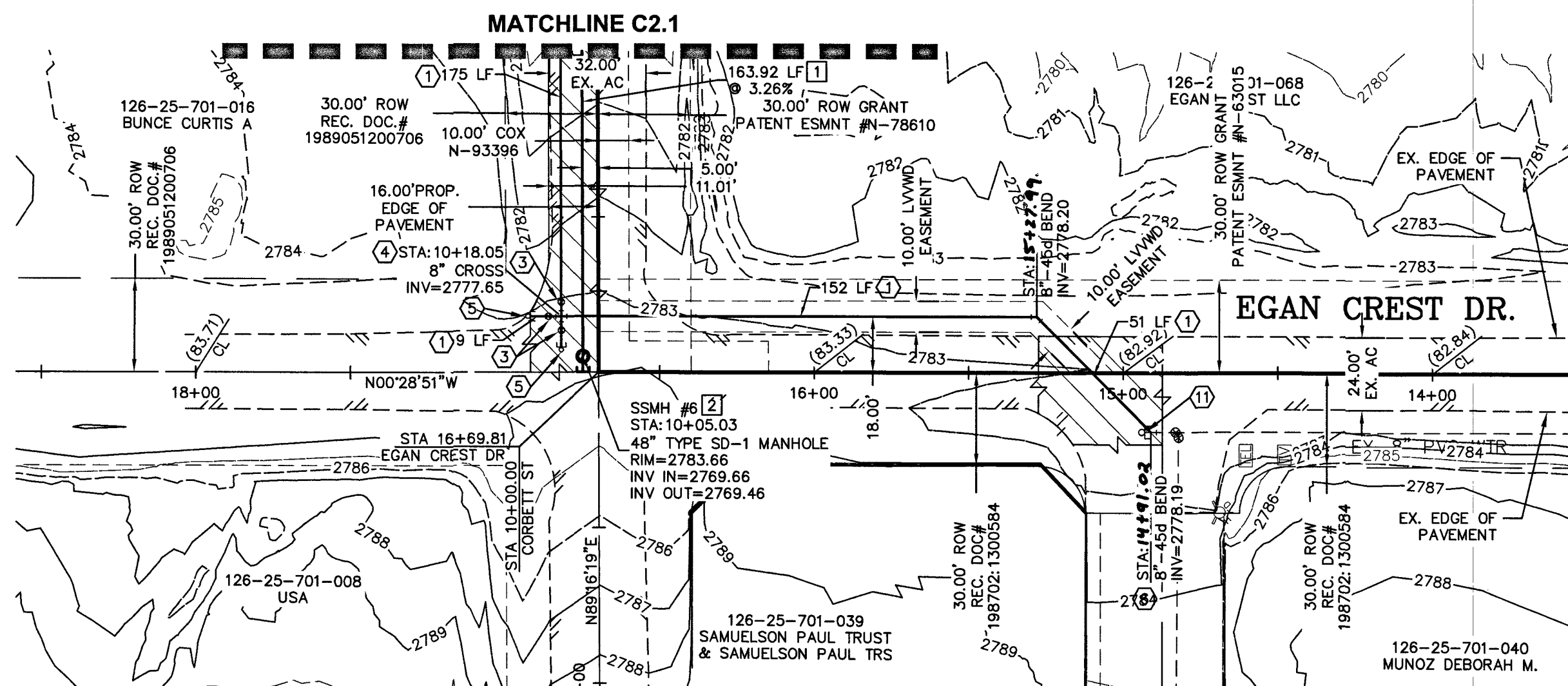
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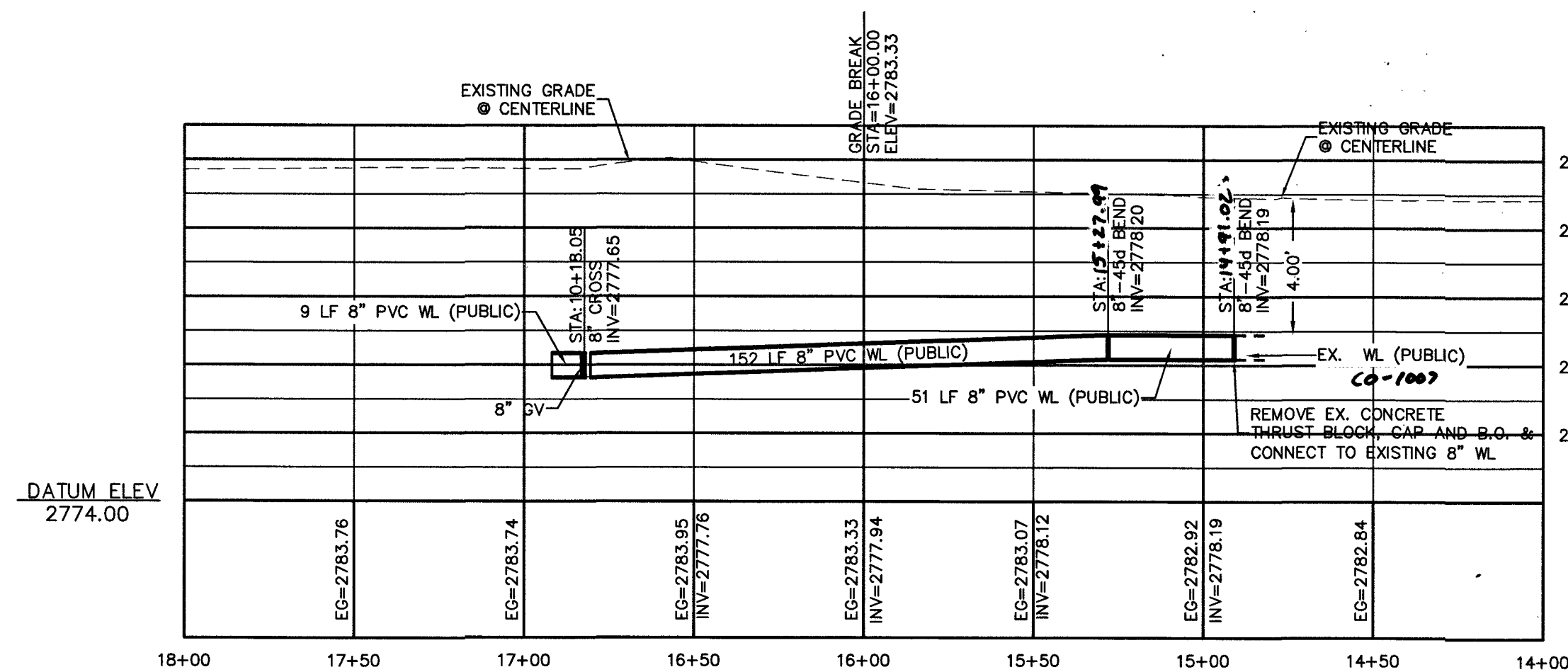
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EGAN CREST DR. PLAN

(PUBLIC)  
SCALE: HORIZONTAL 1"=40'



EGAN CREST DR. PROFILE

(PUBLIC)  
SCALE: HORIZONTAL 1"=40'  
VERTICAL 1"=4'

PROTECT IN PLACE AND ADJUST LVVWD EXISTING FACILITIES TO FINISHED GRADE PER UDACS. ALL LVVWD FACILITIES SHALL BE ACCESSIBLE AT ALL TIMES.

WATER MAIN JOINT DEFLECTION,  
PER UDACS 2.07.01 AND 2.07.03

WATER CONSTRUCTION NOTES

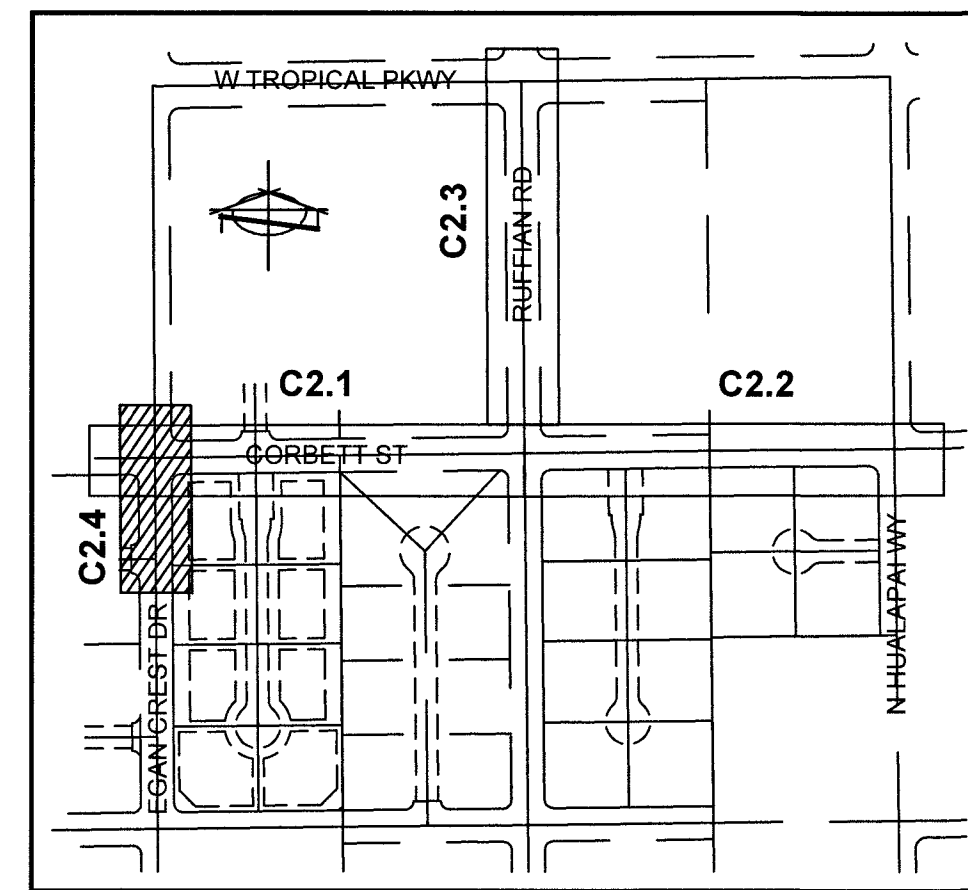
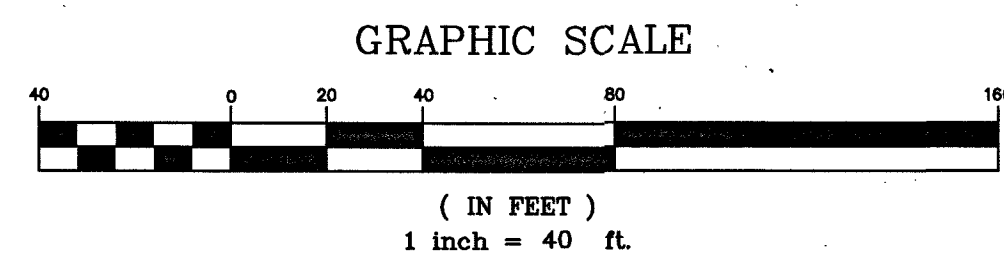
| #  | ITEM                                                               | UNIT | QUANTITY | PUBLIC | PRIVATE | NDOT |
|----|--------------------------------------------------------------------|------|----------|--------|---------|------|
| 1  | INSTALL 8" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 2564     | -      | -       | -    |
| 2  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 14       | -      | -       | -    |
| 3  | INSTALL 8" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 4        | -      | -       | -    |
| 4  | INSTALL 8" CROSS W/THRUST BLOCK PER UDACS PLATE #31                | EA   | 2        | -      | -       | -    |
| 5  | INSTALL 8" CAP AND 2" BLOWOFF VALVE PER UDACS PLT. #36             | EA   | 5        | -      | -       | -    |
| 6  | INSTALL 8" 45 BEND WITH THRUST BLOCK PER UDACS PLATE #31           | EA   | 4        | -      | -       | -    |
| 7  | INSTALL 6" PVC CLASS 150 DR 18 WATER LINE PER UDACS PLATE #17 & 19 | LF   | 30       | -      | -       | -    |
| 8  | INSTALL 8"x8"x8" TEE W/THRUST BLOCK PER UDACS PLATE #31            | EA   | 3        | -      | -       | -    |
| 9  | INSTALL 6" GATE VALVE PER UDACS PLATE #30 & #39                    | EA   | 3        | -      | -       | -    |
| 10 | INSTALL HYDRANT ASSEMBLY PER UDACS PLATE #40.                      | EA   | 3        | -      | -       | -    |
| 11 | REMOVE CAP AND B.O. AND CONNECT TO EX. WATERLINE                   | EA   | 1        | -      | -       | -    |
| 12 | INSTALL 10"x8" REDUCER PER UDACS PLATE #30                         | EA   | 1        | -      | -       | -    |

SEWER CONSTRUCTION NOTES

| # | ITEM                                                                         | UNIT | QUANTITY | PUBLIC | PRIVATE | NDOT |
|---|------------------------------------------------------------------------------|------|----------|--------|---------|------|
| 1 | INSTALL 8" C-900 PVC (SDR-35) SEWER MAIN PER SD-17 (PUBLIC)                  | LF   | 1528     | -      | -       | -    |
| 2 | CONSTRUCT 48" DIA. SANITARY SEWER MANHOLE PER STD. DWG. NO. 1 & 2            | EA   | 7        | -      | -       | -    |
| 3 | CONNECTION TO EXISTING MANHOLE SHALL COMPLY WITH 4TH EDITION OF DCSWCS 2.3.8 | EA   | 1        | -      | -       | -    |

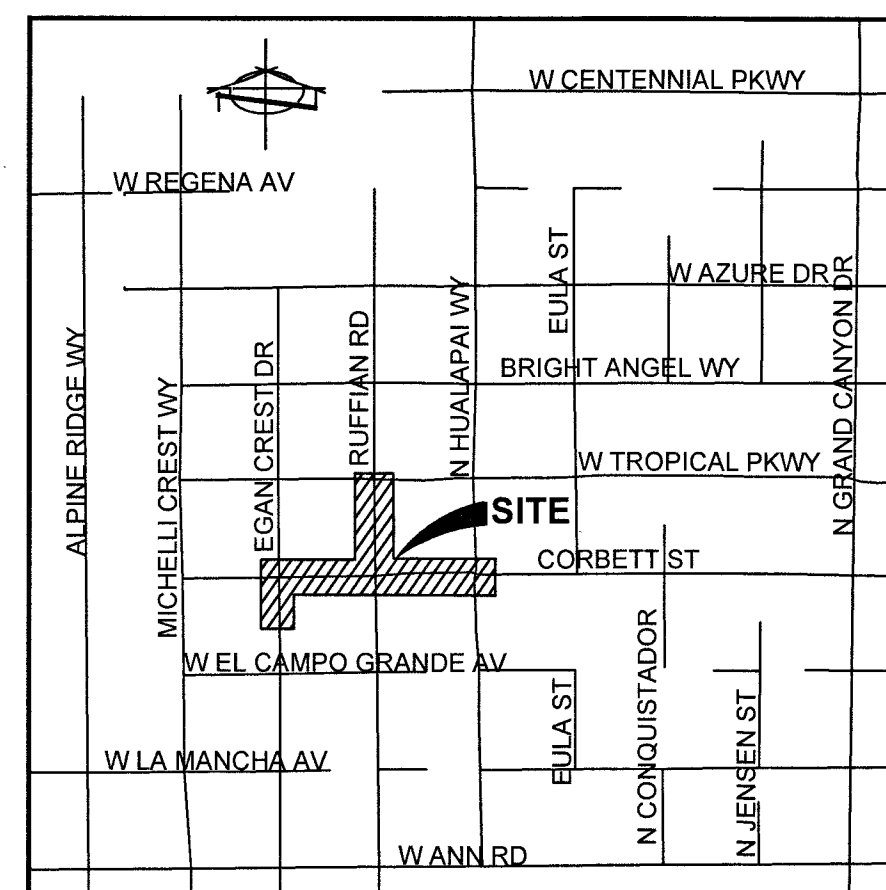
CONSTRUCTION NOTES

| # | ITEM                                                              | UNIT | QUANTITY | PUBLIC | PRIVATE | NDOT |
|---|-------------------------------------------------------------------|------|----------|--------|---------|------|
| 1 | SAW CUT AND MATCH EX. PAVEMENT PER CCAUSD #5 503, 500.4 AND 500.5 | LF   | 2081     | -      | -       | -    |
| 2 | INSTALL 3" MIN. AC PAVEMENT OVER 4" MIN TYPE II AGG BASE          | SY   | 3847     | -      | -       | -    |
| 3 | INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKER.           | EA   | 1        | -      | -       | -    |
| 4 | INSTALL 4" WHITE EDGE LINE (PAINT). (12' FROM CENTERLINE)         | LF   | 1658     | -      | -       | -    |



KEY MAP

NO SCALE



VICINITY MAP

NO SCALE

LEGEND

|     |                                                                             |
|-----|-----------------------------------------------------------------------------|
| --- | PROPERTY LINE                                                               |
| --- | PROPOSED "L" CURB & GUTTER                                                  |
| --- | EXISTING "L" CURB & GUTTER                                                  |
| --- | LIMITS OF SAWCUT, AC TRENCH AND BACKFILL                                    |
| --- | PROPOSED WTR                                                                |
| --- | EXISTING WTR                                                                |
| --- | PROPOSED SS                                                                 |
| --- | EXISTING SS                                                                 |
| --- | PROPOSED EDGE OF PAVEMENT                                                   |
| --- | EXIST. EDGE OF PAVEMENT                                                     |
| --- | WATER CONSTRUCTION NOTE                                                     |
| --- | SEWER CONSTRUCTION NOTE                                                     |
| --- | PROP. HYDRANT                                                               |
| --- | EX. HYDRANT                                                                 |
| --- | EX. FIRE DEPARTMENT CONNECTION                                              |
| --- | PROPOSED SSMH                                                               |
| --- | EXISTING SSMH                                                               |
| --- | PROPOSED SDMH                                                               |
| --- | EXISTING SDMH                                                               |
| --- | PROPOSED GATE VALVE                                                         |
| --- | EXISTING GATE VALVE                                                         |
| --- | BLOWOFF VALVE                                                               |
| --- | BACK WATER VALVE                                                            |
| --- | PRESSURE REDUCING VALVE                                                     |
| --- | UDACS                                                                       |
| --- | DCSWCS                                                                      |
| --- | WL                                                                          |
| --- | SS                                                                          |
| --- | SD                                                                          |
| --- | FF                                                                          |
| --- | LF                                                                          |
| --- | SSMH                                                                        |
| --- | SDMH                                                                        |
| --- | INVERT                                                                      |
| --- | PVC                                                                         |
| --- | DI                                                                          |
| --- | RC                                                                          |
| --- | PRV                                                                         |
| --- | UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WASTEWATER COLLECTION SYSTEMS |
| --- | WATER LINE                                                                  |
| --- | SANITARY SEWER                                                              |
| --- | STORM DRAIN                                                                 |
| --- | FINISHED FLOOR ELEVATION                                                    |
| --- | LINEAR FEET                                                                 |
| --- | SANITARY SEWER MANHOLE                                                      |
| --- | STORM DRAIN MANHOLE                                                         |
| --- | POLYVINYL CHLORIDE PIPE                                                     |
| --- | DUCTILE IRON PIPE                                                           |
| --- | REINFORCED CONCRETE PIPE                                                    |
| --- | PRESSURE REDUCING VALVE                                                     |

APPROVALS

CLARK COUNTY FIRE DEPARTMENT  
11-19-19  
DATE  
FPI9-06587

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BY  
ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF ANY OF THE PROVISIONS OF THE STATE OR COUNTY LAWS AND / OR SPECIFICATIONS. CLARK COUNTY SHALL BE HELD FREE FROM DAMAGES WHICH MAY RESULT FROM THE CONSTRUCTION OF THE IMPROVEMENTS FROM THE ENGINEERING DESIGN DEPICTED HEREIN. NOTE: POWER POLES AND / OR OTHER EXISTING FACILITIES NOT IN PROPER LOCATION BASED ON PROPOSED IMPROVEMENTS SHOWN HEREON WILL BE RELOCATED AT NO EXPENSE TO CLARK COUNTY.

CW DWG# 307V11 B5  
CLU L19-01098 PW19-14834

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Call before you Dig  
Avoid cutting underground utility lines. It's costly.  
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811  
OR  
1-800-227-2600

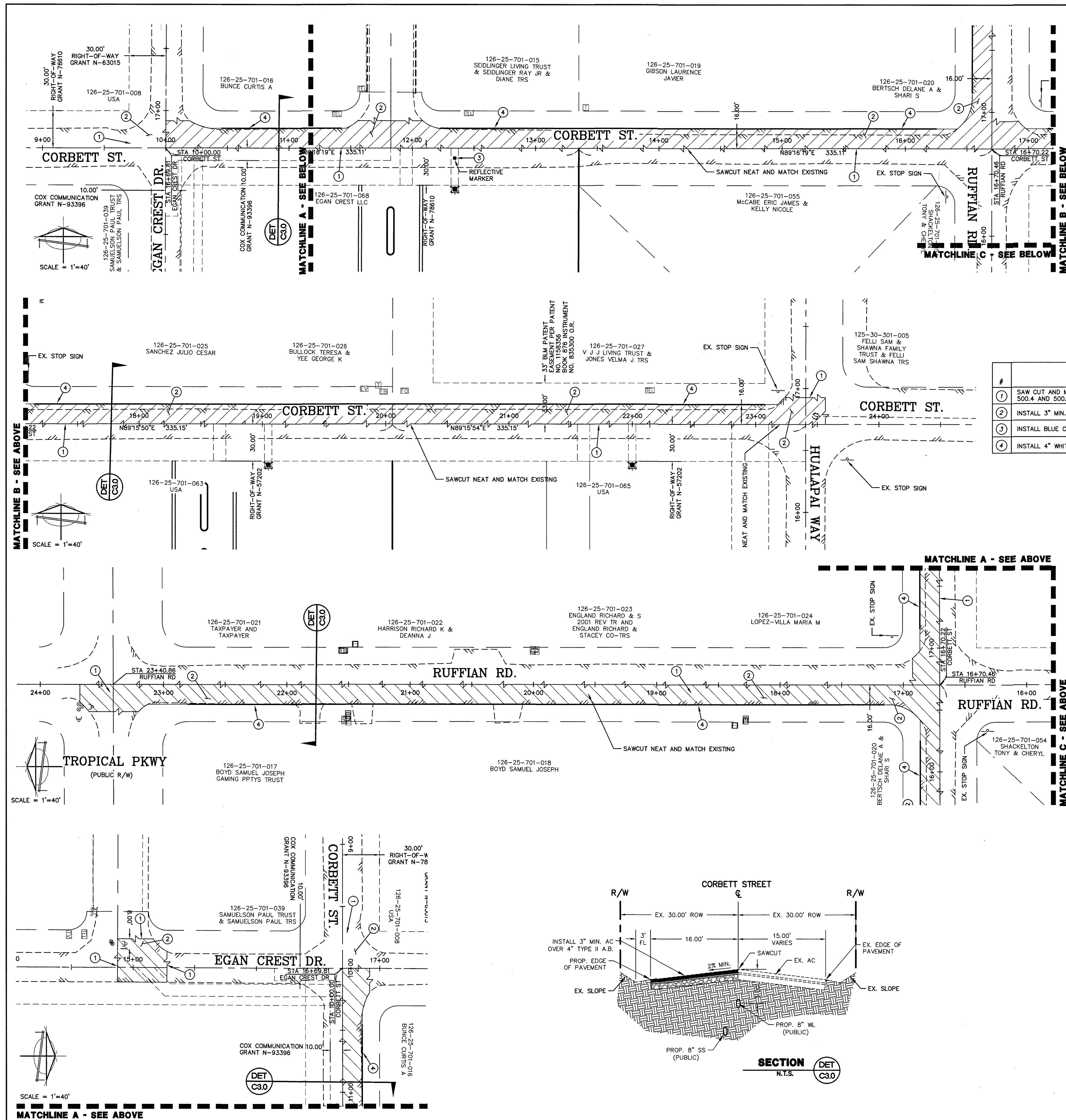
AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.  
CALL-BEFORE-YOU-DIG  
OVER-HEAD  
1-702-227-2929

FAST  
Call before you UnderGround  
1-702-432-5300  
FREWAY AND AIRPORT SYSTEM OF TRANSPORTATION

PROFESSIONAL ENGINEER-STATE OF NEVADA  
13140  
11/19/19

LIBERTY HOMES - EGAN CREST WATER AND SEWER LINES EXTENSION  
PLAN AND PROFILE - PPO4  
SECTION 25, TOWNSHIP 19 SOUTH, RANGE 59 EAST, M.D.B. & M. NEVADA  
CLARK COUNTY  
APN 126-25-701-063, 126-25-701-065, 126-25-701-068

SHEET  
C2.4  
6 OF 7  
PROJ. NO. L214



| # | ITEM                                                              | UNIT | QUANTITY |         |      |
|---|-------------------------------------------------------------------|------|----------|---------|------|
|   |                                                                   |      | PUBLIC   | PRIVATE | NDOT |
| 1 | SAW CUT AND MATCH EX. PAVEMENT PER CCAUSD #S 503, 500.4 AND 500.5 | LF   | 2081     | -       | -    |
| 2 | INSTALL 3" MIN. AC PAVEMENT OVER 4" MIN TYPE II AGG BASE          | SY   | 3847     | -       | -    |
| 3 | INSTALL BLUE COLORED REFLECTIVE RAISED PAVEMENT MARKER.           | EA   | 1        | -       | -    |
| 4 | INSTALL 4" WHITE EDGE LINE (PAINT). (12' FROM CENTERLINE)         | LF   | 1658     | -       | -    |

| LEGEND |                           |
|--------|---------------------------|
|        | PROPERTY LINE             |
|        | STREET CENTERLINE         |
|        | SAW CUT LINE              |
|        | PROPOSED EDGE OF PAVEMENT |
|        | EXIST. EDGE OF PAVEMENT   |
|        | SAW CUT AREA              |
|        | MATCHLINE                 |

**OWNER**  
LIBERTY HOMES LAS VEGAS LLC  
1180 N. TOWN CENTER DR #100  
LAS VEGAS, NV 89108

**DEVELOPER**  
LIBERTY HOMES LAS VEGAS LLC  
1180 N. TOWN CENTER DR #100  
LAS VEGAS, NV 89144  
702-882-1424  
LIBERTYHOMESLASVEGAS@GMAIL.COM

**BASIS OF BEARING**  
NORTH 89°19'38" EAST - BEING THE SOUTH LINE OF THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 18 SOUTH, RANGE 59 EAST, M.D.M., CLARK COUNTY, AS SHOWN ON FILE 82, PAGE 34 OF PARCEL MAPS, CLARK COUNTY RECORDER'S OFFICE, CLARK COUNTY, NEVADA.

**BENCHMARK**  
CLARK COUNTY BENCHMARK BLV99 25SEE6 - CITY OF LAS VEGAS RIVET AND ROUND PLATE IN A CONCRETE CYLINDER AT THE NORTHWEST CORNER OF HUAPALAY WAY AND AZURE AVE.

831.941 METERS  
NAVD 88 DATUM

2729.46 FEET

**NOTE:**  
REPLACE ALL TRAFFIC CONTROL DEVICES (SIGNS AND/OR PAVEMENT MARKINGS), UNDER CLARK COUNTY'S JURISDICTION, THAT ARE DISTURBED, DESTROYED, MOVED OR MODIFIED BY TRENCHING ACTIVITIES TO CLARK COUNTY'S SATISFACTION. ALL MATERIAL USED SHALL MEET CLARK COUNTY'S SPECIFICATIONS OR WILL BE AN APPROVED EQUIVALENT.

IN THE EVENT THAT TRAFFIC SIGNAL CONDUITS, LOOP DETECTORS OR ASSOCIATED EQUIPMENT ARE DAMAGED BY THE CONTRACTOR, THE CONTRACTOR WILL HIRE AN INSA LEVEL II ELECTRICAL CONTRACTOR TO MAKE REPAIRS PER UNIFORM SPECIFICATION NO. 623 G 01.02.

CONTRACTOR SHALL CONTACT CLARK COUNTY TRAFFIC OPERATIONS DIRECTLY AT 455-6000 TO SCHEDULE COUNTY STAFF TO LOCATE UNDERGROUND STREETLIGHTING AND SIGNAL FACILITIES IN THE PROJECT AREA. A MINIMUM OF 48 HOURS NOTICE IS REQUIRED PRIOR TO LOCATES. HOURS OF OPERATION: 6:30 AM - 3:00 PM, MONDAY THROUGH FRIDAY EXCLUDING HOLIDAYS.

CONTRACTOR SHALL EXERCISE CARE WITH ALL SALVAGED ITEMS AND SHALL ASSUME THAT ITEMS WILL BE RE-USED AGAIN BY CLARK COUNTY. ALL SALVAGED EQUIPMENT SHALL HAVE ALL COMPONENTS INCLUDED AND DISASSEMBLED FROM THEIR MAIN COMPONENTS. ANY ITEMS TO BE RETURNED TO CLARK COUNTY TRAFFIC OPERATIONS SHALL INCLUDE THE TRANSMITTAL FORM WITH THE CONTRACTOR'S LETTERHEAD AND NUMBER, AND A LIST OF THE ITEMS AND THE QUANTITIES OF ITEMS BEING RETURNED. CONTRACTOR SHALL CALL (702) 455-6000 TO MAKE AN APPOINTMENT FOR DROPPING OFF SALVAGED ITEMS.

APPROVED FOR CONSTRUCTION

*[Signature]*  
LAS VEGAS VALLEY WATER DISTRICT ENGINEERING SERVICES

PROJECT NO. 136741 FIRST APPROVED DATE: 11-20-19  
LVMWD APPROVED FIRE FLOW 1500 GPM AT 20 PSI RESIDUAL

SHEETS C1.1, C1.2, C2.1, C2.2, C2.3, C2.4, C3.0

CLARK COUNTY  
DEPARTMENT OF PUBLIC WORKS  
ACCEPTED

BY  
ACCEPTANCE OF THESE PLANS FOR FILING SHALL NOT BE CONSTRUED TO BE A PERMIT FOR OR AN APPROVAL OF ANY VIOLATION OF STATE OR COUNTY LAWS OR FEDERAL LAW, SPECIFICATIONS, OR THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. PW19-17834

**DISCLAIMER NOTE** CLW DWG# 307V1105 CLW 119-01098

UTILITY LOCATIONS SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

Call before you Dig  
Avoid cutting underground utility lines. It's costly.

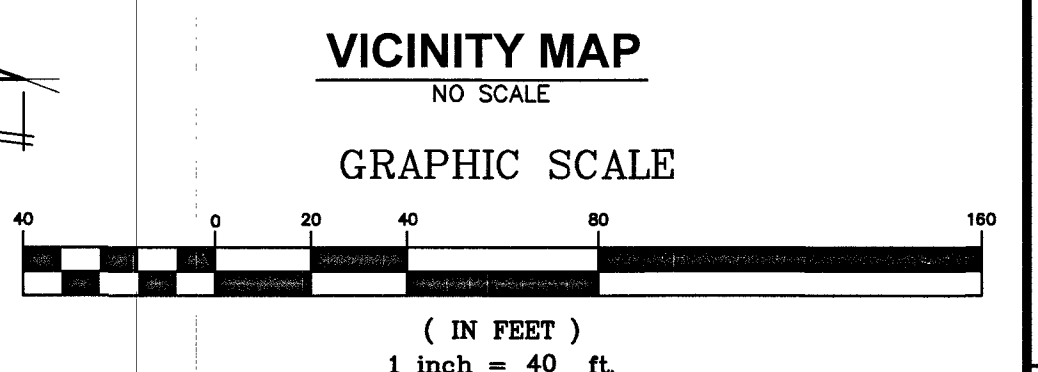
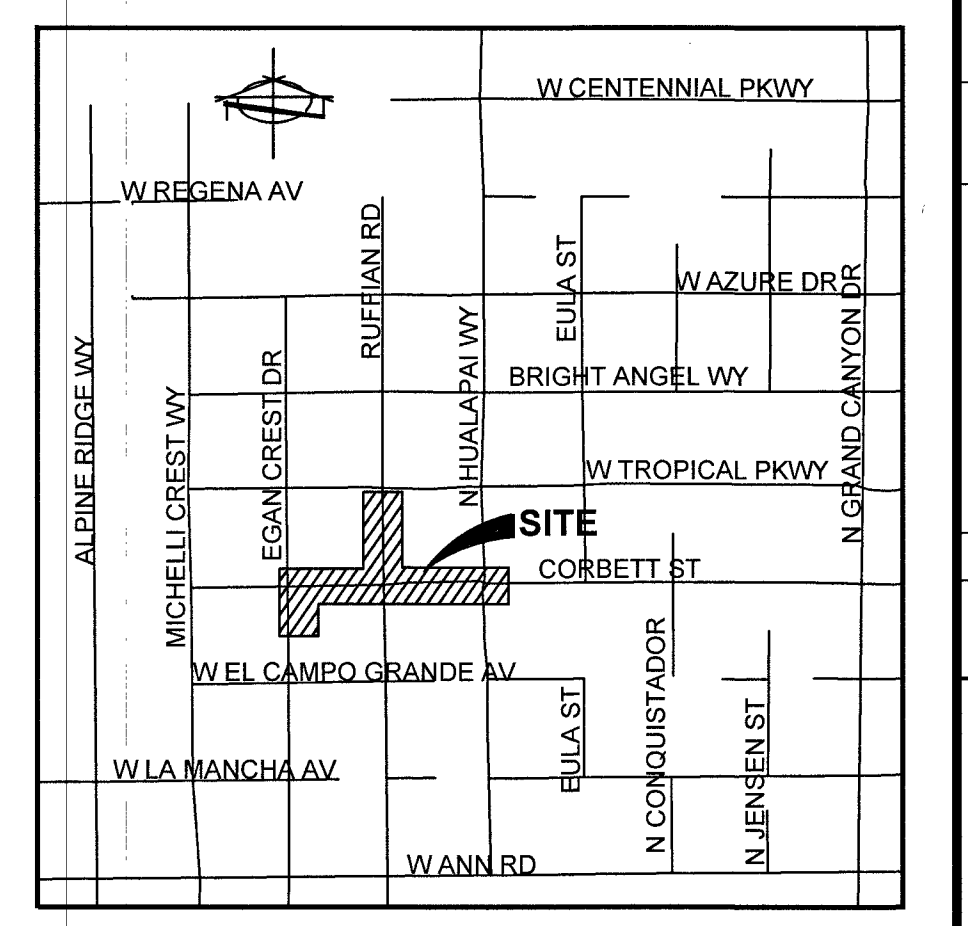
**811**  
Call before you Dig  
1-800-227-2600

AVOID HITTING OVERHEAD POWER LINES. IT'S COSTLY.

CALL BEFORE YOU DIG  
UNDERGROUND  
1-702-227-2929

**FAST**  
Call before you Dig  
Underground  
1-702-432-5300  
FREIGHT AND ARTERIAL SYSTEM OF TRANSPORTATION

PROFESSIONAL ENGINEER - STATE OF NEVADA  
No. 13140  
W. K. H. 1/1/19



LIBERTY HOMES LAS VEGAS LLC  
1180 N. TOWN CENTER DR #100  
LAS VEGAS, NV 89144  
702-882-1424

PREPARED FOR:  
BAUGHMAN & TURNER, INC.  
CIVIL ENGINEERS  
LAND PLANNERS  
LAND SURVEYORS  
LAS VEGAS, NEVADA  
PHONE: (702) 870-8771 FAX: (702) 878-2695 89102

DATE: 11/14/2018  
DESIGN: [Signature]  
DRAWN: [Signature]  
CHECK: [Signature]  
SCALE: [Signature]

LIBERTY HOMES - EGAN CREST WATER AND SEWER LINES EXTENSION  
TRAFFIC CONTROL PLAN - TCO1  
SECTION 19, TOWNSHIP 25 SOUTH, RANGE 59 EAST, M.D.B. & M.  
CLARK COUNTY  
NEVADA  
APN 126-25-701-068

SHEET  
**C3.0**  
7 OF 7  
PROJ. NO. L214